Ministry of the Environment
Ontario

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MUNICIPAL

WATER TREATMENT WORKS

IN ONTARIO

1986

PREPARED BY:
MUNICIPAL POLLUTION CONTROL UNIT
WATER AND WASTEWATER MANAGEMENT SECTION
WATER RESORCES BRANCH

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FOREWORD

MUNICIPAL WATER SUPPLY SYSTEMS

As of December, 1985, there were 466 municipal water supply systems in Ontario having a combined total capacity of 9.902 million cubic metres per day ($10^6 m^3$) or 2,178 million Imperial gallons per day (mIgd). Surface water supplies number 195 and account for approximately 86% of the total capacity while ground water supplies number 271 and account for the remaining 14%. The total population served by both ground water and surface water sources is 7.5 million.

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INTRODUCTION

The Ministry of the Environment is concerned with the protection and enchancement of the natural environment. For example, the release of untreated or partially treated sanitary wastes to a lake or river may render the watercourse, particularly in the immediate discharge area, unusable for practically all purposes. This condition creates a threat to public health and is disruptive to plant and animal life cycles; therefore, the adequate treatment of wastes to produce a satisfactory effluent for discharge to a watercourse is a major concern of this Ministry.

When a body of water is needed for the assimilation and dilution of treated wastes then consideration must be given to all of the other uses of water, such as public, agricultural and industrial water supply, recreation, aesthetic enjoyment and the propagation of fish and wildlife. It is evident that Ontario's water resources must meet many needs and in order to assist with the administration of these needs, the Ministry of the Environment has produced a publication entitled "Water Management" which outlines "goals, policies, objectives and implementation procedures of the Ministry of the Environment", necessary to ensure the sound management of water and wastewater across the province. In addition, criteria for drinking water is outlined in a publication entitled, "Ontario Drinking Water Objectives". Both of the above mentioned publications may be obtained from the Publications Centre, Ministry of Government Services, 880 Bay Street, 5th Floor, Toronto.

With regard to the meeting of these goals and objectives, the Ministry inspects and regulates all communal water and wastewater facilities, and monitors the performance of the treatment plants and their effluent qualities with routine and special sampling programs. The administration of these services and programs is carried out on a regional basis. To complement the sampling programs and the various water quality management programs, the Water and Wastewater Management Section of the Water Resources Branch, in co-operation with our Regional offices, has produced this publication from its EDP system to provide a comprehensive listing of all major municipal water treatment facilities operating in Ontario.

This publication begins with a brief description of the various treatment methods used in water treatement facilities, followed by a provincial summary of the existing treatment types and their hydraulic capacities. A complete listing of the works is then provided.

Since the delivery of programs and services by this Ministry is carried out on a regional basis, it is therefore, logical to group these treatment works under the Ministry's six regions. Accordingly, each one of our regions is first defined by means of a map page and then all treatment works for that particular region are listed alphabetically by municipality. An additional list of the plants which are located in each of the larger or regional municipalities has been prepared on blue paper.

Very large systems, which serve more than one municipality, are shown at the end of each region's data on pink paper and the definition of these, 'area systems' is described below.

Area-Systems - "Area Water Supply Systems"

When a municipality experiences sustained growth, eventually the serviced area of its treatment facility extends beyond its municipal boundaries. Once this condition occurs to the point where it becomes necessary to size the treatment works and major service mains to accomodate a much larger area, the system is, for the purposes of this publication, defined as an "Area Water Supply System".

MUNICIPAL WATER TREATMENT

Water is one of Ontario's most abundant natural resources. When used for human consumption, however, it must be chemically and bacteriologically safe. Aesthetic considerations such as temperature, taste, odour, colour and turbidity, are also important in achieving acceptable drinking water. The raw water quality and the intended use of the water supply dictate the degree and type of treatment necessary.

Municipal water supplies are obtained from two main sources: Groundwater, which includes both deep and shallow wells; and Surfacewater, which includes rivers, lakes and reservoirs.

Groundwater is characteristically cool and sustains only slight temperature variations. Generally it requires little treatment to meet the quality requirements for a drinking water supply and is often the first to be investigated as a source. Treatment is only required when analyses indicate that disease organisms may be present or when a potential danger of contamination exists. Disinfection by chlorination is then usually used. Quality in terms of hardness and/or excessive iron are other groundwater quality concerns. Various treatment methods such as ion exchange and/or sequestering are used to combat these problems.

Because groundwater cannot be extracted in sufficient quantities to meet the needs of the rapidly expanding communities, the majority of municipalities in Ontario rely on surface water sources. These waters, affected by pollution and eutrophication, must be treated to provide a safe potable supply acceptable for municipal drinking water requirements. For example, all surface waters contain bacteria; therefore, disinfection by chlorination is necessary to remove pathogenic (disease-producing) bacteria from municipal drinking water supplies. Colour, turbidity, taste and odour, all physical characteristics of raw water, are caused by finely suspended particles and dissolved organic matter that are usually present to some degree in all surface waters. These and other concerns are dealt with by various processes and equipment, some or all of which may be used in a plant depending on the quality of the source of supply. The following information outlines some of the basic water treatment processes.

Screening (Physical Treatment)

The raw (untreated) water is passed through coarse and fine screens and/or microstrainers to remove larger particles and algae.

Disinfection by Chlorination (Chemical Treatment)

Chlorination is usually applied at the beginning (Pre-chlorination) and at the end (Post-chlorination) of the treatment process. Pre-chlorination provides disinfection of the raw water; furthermore, along with active carbon, it can be used to remove taste and odour producing compounds. Post-chlorination establishes a chlorine residual in the treated water ensuring that any remaining disease-producing organisms are killed before delivery to the consumer or storage facility.

Colour, Turbidity and Bacteria Removal by Coagulation and Flocculation (Chemical Treatment)

Chemical coagulants such as aluminum or iron salts are added and thoroughly mixed with the raw water. After a short period, finely divided, suspended particles coagulate and form gelatinous precipitates. These precipitates are stirred slowly and build up into larger 'flocs' or clumps which finally become heavy enough to settle out.

Sedimentation (Physical Treatment)

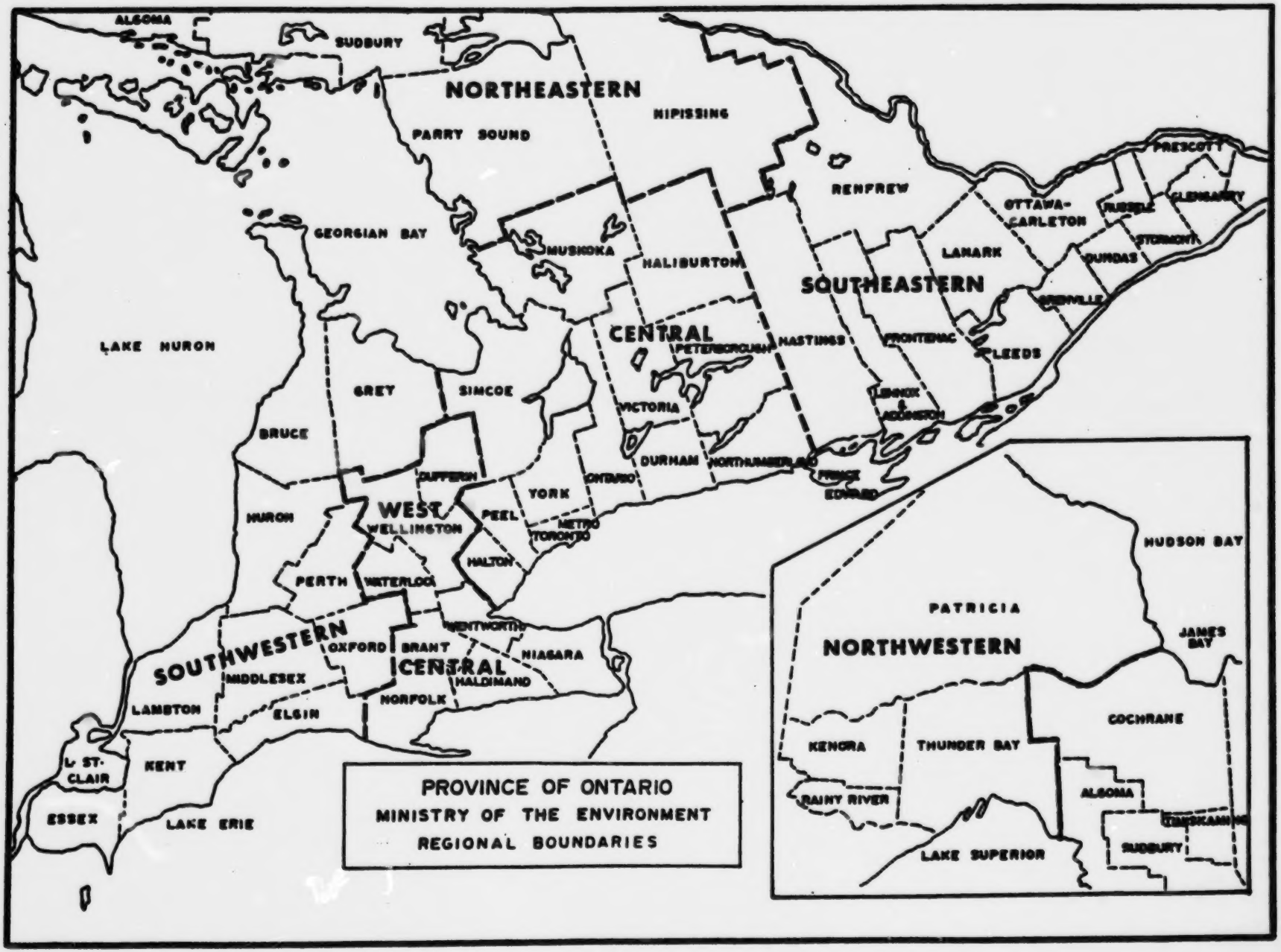
Following coagulation and flocculation, the treated water undergoes a quiescent period in a settling basin where the floc is removed through gravity settling. The water is relatively clear after this procedure and the settled material is removed for disposal.

Turbidity and Bacteria Removal by Filtration (Physical Treatment)

After settling, filtration occurs. During this process, the remaining suspended particles are removed by passing the water through a porous filter media such as sand, anthrafilt or a combination of both. These particles are trapped in the media and the filtered water is collected in an underdrain system. The impurities trapped in the filter media are removed by reversing the flow in the filter (backwashing). In some instances, where the turbidity of the raw water is low, direct filtration can occur without the need for sedimentation.

Fluoridation (Chemical Treatment)

Municipalities by by-law may wish to operate a fluoridation system in the water treatment plant. Fluoride used in the drinking water helps prevent dental caries and is considered an acceptable public health measure.


ALGOMA
SUDBURY
NORTHEASTERN
NIPISSING
PARRY SOUND
RENFREW
PRESCOTT
GLENGARRY
OTTAWA-CARLETON
PRESCOTT
STORMONT
DUNDAS
GEORGIAN BAY
MUSKOKA
HALIBURTON
LANARK
SOUTHEASTERN
GRENVILLE
LAKE HURON
CENTRAL
PETERBOROUGH
HASTINGS
FRONTENAC
LEEDS
GREY
SIMCOE
VICTORIA
LENNOX & ADDINGTON
BRUCE
DURHAM
NORTHUMBERLAND
PRINCE EDWARD
DUFFERIN
YORK
ONTARIO
HURON
WEST
WELLINGTON
PEEL
METRO TORONTO
HALTON
PERTH
WATERLOO
WENTWORTH
SOUTHWESTERN
OXFORD
BRANT
NIAGARA
CENTRAL
MIDDLESEX
HALDIMAND
LAMBTON
NORFOLK
ELGIN
ST. CLAIR
KENT
ESSEX
LAKE ERIE
HUDSON BAY
PATRICIA
NORTHWESTERN
JAMES BAY
COCHRANE
KENORA
THUNDER BAY
RAINY RIVER
ALGOMA
TIMISKAMING
SUDBURY
LAKE SUPERIOR
PROVINCE OF ONTARIO
MINISTRY OF THE ENVIRONMENT
REGIONAL BOUNDARIES

PROVINCIAL SUMMARY

TREATMENT TYPE	<--- NUMBER --->			<--- ** CAPACITY MIGD ($1000M^3$) --->		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
GROUND SOURCE - NO TREATMENT	2	63	65	.252	36.125	36.377 (165.370)
GROUND SOURCE - CHLORINATION ONLY	19	93	112	8.729	103.515	112.244 (510.261)
GROUND SOURCE - CHEMICAL TRTMT	13	54	67	6.731	91.705	98.436 (447.490)
GROUND SOURCE - PHYSICAL TRTMT	1	3	4	.115	10.528	10.643 (48.383)
GROUND SOURCE - PHY+CHEM TRTMT	4	19	23	.494	49.462	49.956 (227.100)
SURFACE SOURCE - CHLORINATION ONLY	9	35	44	38.093	46.592	84.685 (384.978)
SURFACE SOURCE - CHEMICAL TRTMT	2	12	14	1.785	82.991	84.776 (385.392)
SURFACE SOURCE - PHYSICAL TRTMT	1	7	8	.840	6.047	6.887 (31.308)
SURFACE SOURCE - PHY+CHEM TRTMT	48	81	129	280.420	1,413.766	1,694.186 (7,701.770)
TOTALS	99	367	466	337.459 (1,534.089)	1,840.731 (8,367.963)	2,178.190 (9,902.052)

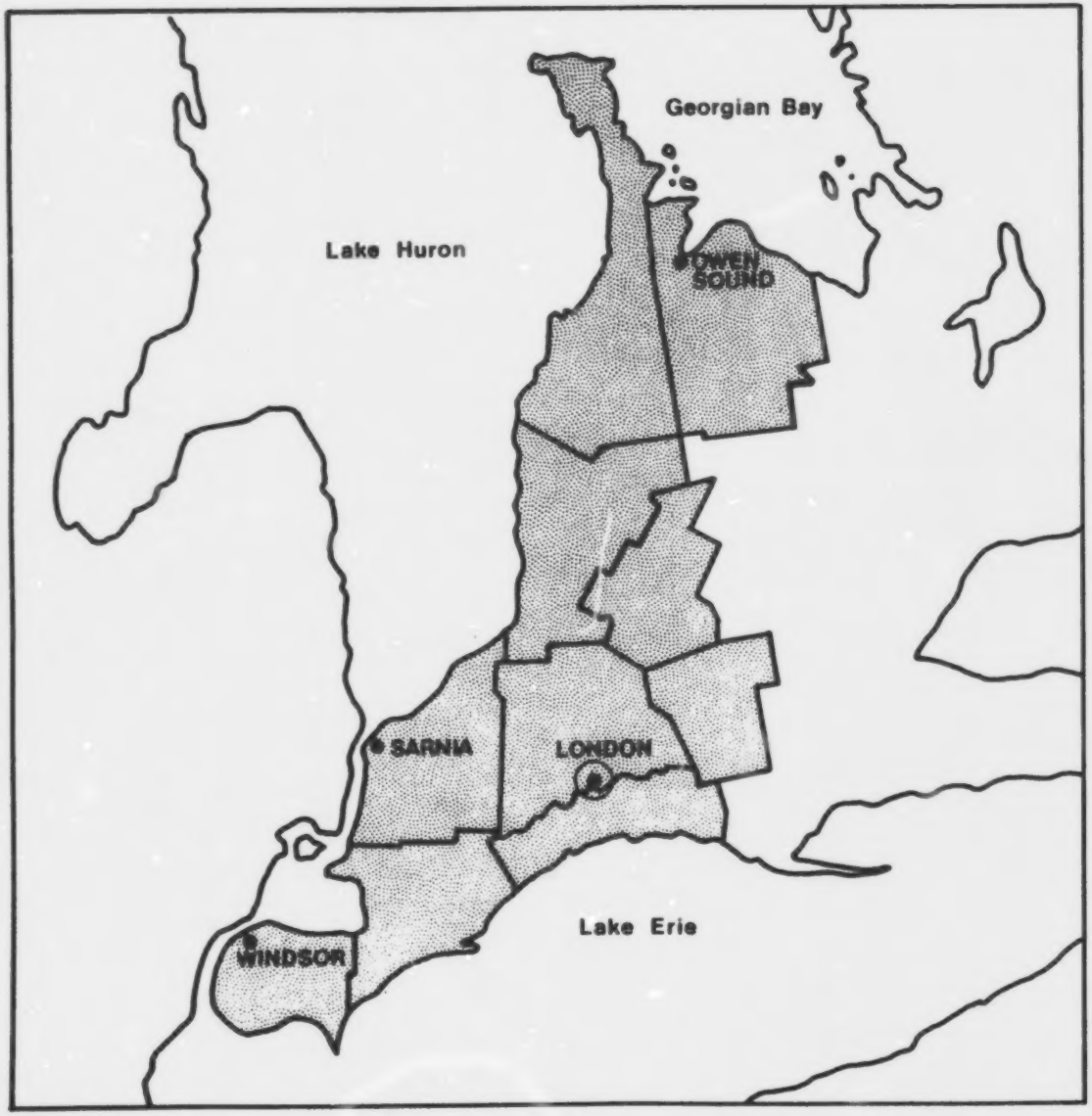
** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY
$1000M^3$:THOUSANDS OF CUBIC METRES

CONVERSION FACTOR:
1 MGD = 4.546 $1000M^3$

Southwestern Region

Ministry of the Environment

Ontario



REGIONAL OFFICE

London
985 Adelaide St. S.
N6E 1V3
519 661-2200

DISTRICT OFFICES

London South
985 Adelaide St. S.
N6E 1V3
519 661-2200

London North
985 Adelaide St. S.
N6E 1V3
519 661-2200

Owen Sound
1180 20th St. E.
N4K 6H6
519 371-2901

Sarnia
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N7T 7X1
519 336-4030

Windsor
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N9A 6V9
519 254-5129

SUB-OFFICE

Chatham
c/o Ministry of
Agriculture & Food
435 Grand Ave. W.
N7M 5L1
519 354-2150

Clinton
c/o Ministry of
Agriculture & Food
P.O. Box 688
N0M 1L0
519 482-3428

SOUTHWESTERN REGION SUMMARY

TREATMENT TYPE	<--------- NUMBER ---------->			<---------- ** CAPACITY MIGD ($1000M^3$) ---------->		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
GROUND SOURCE - NO TREATMENT	0	15	15	.000	4.626	4.626 (21.030)
GROUND SOURCE - CHLORINATION ONLY	7	20	27	2.613	23.499	26.112 (118.705)
GROUND SOURCE - CHEMICAL TRTMT	4	12	16	.828	12.527	13.355 (60.712)
GROUND SOURCE - PHYSICAL TRTMT	0	1	1	.000	6.466	6.466 (29.394)
GROUND SOURCE - PHY+CHEM TRTMT	1	5	6	.058	9.324	9.382 (42.651)
SURFACE SOURCE - CHLORINATION ONLY	1	4	5	15.000	5.795	20.795 (94.534)
SURFACE SOURCE - CHEMICAL TRTMT	0	0	0	.000	.000	.000 (.000)
SURFACE SOURCE - PHYSICAL TRTMT	1	1	2	.840	2.160	3.000 (13.638)
SURFACE SOURCE - PHY+CHEM TRTMT	14	12	26	119.808	100.536	220.344 (1,001.684)
**** TOTALS ****	28	70	98	139.147 (632.562)	164.933 (749.785)	304.080 (1,382.348)

CHEMICAL TREATMENT : PROCESSES SUCH AS COAGULATION, FLOCCULATION AND FLUORIDATION WHICH USE CHEMICAL AIDS COME UNDER THIS CATAGORY. ALSO INCLUDED ARE THE CHEMICAL REMOVAL PROCESSES LIKE IRON REMOVAL, DENITRIFICATION AND DECHLORINATION.

PHYSICAL TREATMENT : PROCESSES USING MECHANICAL AIDS SUCH AS SCREENING, SEDIMENTATION AND FILTRATION COME UNDER THIS CATAGORY.

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY
$1000M^3$:THOUSANDS OF CUBIC METRES

CONVERSION FACTOR
1 MGD = 4.546 $1000M^3$

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
AILSA CRAIG VILLAGE AILSA CRAIG SUPPLY 210000826	(WATER IS SUPPLIED BY)	(LAKE HURON WSS)			MINISTRY
ALVINSTON VILLAGE ALVINSTON WTP 210001068	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	SYDENHAM RIVER	.166 (.755)	600	MINISTRY
AMHERSTBURG TOWN AMHERSTBURG WSS 210000149	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	DETROIT RIVER	4.000 (18.184)	8385	MINISTRY
ANDERDON TOWNSHIP ANDERDON SUPPLY 210000844	(WATER IS SUPPLIED BY) FLUORIDATION	(AMHERSTBURG WSS)			MINISTRY
ARKONA VILLAGE ARKONA WELL SUPPLY 210001326	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		.144 (.655)	530	MINISTRY
AYLMER TOWN AYLMER WELL SUPPLY 220002477	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		.919 (4.178)	5528	MUNICIPALITY
BAYHAM TOWNSHIP BAYHAM SUPPLY 210001335	(WATER IS SUPPLIED BY) FLUORIDATION	(ELGIN WSS)			MINISTRY
BELLE RIVER TOWN BELLE RIVER WTP 220003412	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ST CLAIR	4.000 (18.184)	10320	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
BELMONT VILLAGE BELMONT WELL SUPPLY 220002468	GROUND SOURCE-NO TRTMT		.396 (1.800)	885	MUNICIPALITY
BIDDULPH (GRANTON) TOWNSHIP GRANTON PV WELL SUPPLY 210001200	GROUND SOURCE-CHLORINATION		.122 (.555)	348	MINISTRY
BLANDFORD-BLENHEIM (PL. TOWNSHIP PLATTSVILLE WELL SUPPLY 210001291	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		.216 (.982)	528	MINISTRY
BLENHEIM TOWN BLENHEIM WSS 210000274	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ERIE	1.000 (4.546)	4000	MINISTRY
BLYTH VILLAGE BLYTH WELL SUPPLY 220001496	GROUND SOURCE-NO TRTMT		.216 (.982)	934	MUNICIPALITY
BRUSSELS VILLAGE BRUSSELS WELL SUPPLY 220001487	GROUND SOURCE-NO TRTMT		.479 (2.178)	961	MUNICIPALITY
CARADOC (MNT.BRYDGES) TOWNSHIP MOUNT BRYDGES WELL SUPPLY 210003985	GROUND SOURCE-CHLORINATION		.590 (2.682)	1695	MINISTRY
CARADOC-EKFRID (MELB.) TOWNSHIP MELBOURNE WELL SUPPLY 210001656	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.058 (.264)	396	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
CHATHAM CITY CHATHAM WTP 220003378	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	L.ERIE-KENT CNTY.INTAKE	20.000 (90.920)	41000	MUNICIPALITY
CHATHAM (KENT COUNTY) CITY KENT COUNTY WSS (INTAKE) 210003057	SURFACE SOURCE-CHLORINATION CHLORINATION	LAKE ERIE	15.000 (68.190)		MINISTRY
CHATSWORTH VILLAGE CHATSWORTH WELL SUPPLY MUN.1986 APR 17 210003011	GROUND SOURCE-CHLORINATION		.168 (.764)	410	MINISTRY
CHESLEY TOWN CHESLEY WELL SUPPLY 220002725	GROUND SOURCE-NO TRTMT		.828 (3.764)	1904	MUNICIPALITY
CLINTON TOWN CLINTON WSS 220001539	GROUND SOURCE-CHLORINATION		.720 (3.273)	4000	MUNICIPALITY
COLCHESTER NORTH TOWNSHIP MC GREGOR HAMLET SUPPLY 210001399	(WATER IS SUPPLIED BY) FLUORIDATION	(AMHERSTBURG WSS)			MINISTRY
COLCHESTER SOUTH TOWNSHIP COLCHESTER HAMLET SUPPLY 210001344	(WATER IS SUPPLIED BY)	(HARROW-COLCHESTER WSS)			MINISTRY
DELAWARE TOWNSHIP DELAWARE WELL SUPPLY 210000023	GROUND SOURCE-CHLORINATION		.230 (1.046)	572	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3/d (1000M))	POPULATION SERVED	OPERATED BY
DOVER (MITCHELLS BAY) TOWNSHIP MITCHELL'S BAY WTP 220003234	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ST CLAIR	.240 (1.091)	350	MINISTRY
DOVER (PAINCOURT) TOWNSHIP PAINCOURT WELL SUPPLY 220003243	GROUND SOURCE-CHLORINATION		.020 (.091)	230	MUNICIPALITY
DOWNIE (ST.PAULS) TOWNSHIP ST PAULS WELL SUPPLY 220003948	GROUND SOURCE-NO TRTMT		.059 (.268)	66	MUNICIPALITY
DRESDEN TOWN DRESDEN WTP 210000283	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	SYDENHAM RIVER	.840 (3.819)	2477	MINISTRY
DUNDALK VILLAGE DUNDALK WELL SUPPLY 220001753	GROUND SOURCE-CHLORINATION		.432 (1.964)	1298	MUNICIPALITY
DURHAM TOWN DURHAM WELL SUPPLY 220001771	GROUND SOURCE-NO TRTMT		.400 (1.818)	2566	MUNICIPALITY
DUTTON VILLAGE DUTTON SUPPLY 220002967	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(WEST LORNE WSS)			MINISTRY
EAST WILLIAMS TOWNSHIP EAST WILLIAMS SUPPLY 220004652	(WATER IS SUPPLIED BY) CHLORINATION	(LAKE HURON WSS)			MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 m^3/d)	POPULATION SERVED	OPERATED BY
EAST WILLIAMS (NAIRN) TOWNSHIP NAIRN SUPPLY 210001246	(WATER IS SUPPLIED BY)	(LAKE HURON WSS)			MINISTRY
EAST ZORRA (TAVISTOCK) TOWNSHIP TAVISTOCK WELL SUPPLY 220000647	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		1.051 (4.778)	1900	MUNICIPALITY
ELLICE (BRUNNER) TOWNSHIP BRUNNER WELL SUPPLY 220003957	GROUND SOURCE-NO TRTMT		.025 (.114)	63	MUNICIPALITY
ELMA (ATWOOD) TOWNSHIP ATWOOD WELL SUPPLY 220003966	GROUND SOURCE-NO TRTMT		.065 (.295)	98	MUNICIPALITY
ENNISKILLEN TOWNSHIP ENNISKILLEN SUPPLY 220004377	(WATER IS SUPPLIED BY) FLUORIDATION	(PETROLIA WSS)			MUNICIPALITY
ERIE BEACH VILLAGE ERIE BEACH SUPPLY 210003903	(WATER IS SUPPLIED BY) CHLORINATION	(ERIEAU-ERIE BEACH WSS)			MINISTRY
ERIEAU-ERIE BEACH VILLAGE ERIEAU-ERIE BEACH WSS 210001415	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE	.572 (2.600)	1461	MINISTRY
ESSEX TOWN ESSEX SUPPLY 220003680	(WATER IS SUPPLIED BY) CHLORINATION	(UNION-ESSEX WSS)			MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3/d) (1000M)	POPULATION SERVED	OPERATED BY
EXETER TOWN EXETER WELL SUPPLY 220001520	GROUND SOURCE-CHLORINATION	AUSABLE RIVER	1.680 (7.637)	3858	MUNICIPALITY
FOREST TOWN FOREST WELL SUPPLY 220001361	GROUND SOURCE-CHLORINATION		.300 (1.364)	2720	MUNICIPALITY
GLENCOE VILLAGE GLENCOE SUPPLY (WELLS ARE ON STANDBY) 220002164	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(WEST LORNE WSS)			MUNICIPALITY
GODERICH TOWN GODERICH WTP 210000238	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE HURON	2.640 (12.001)	7297	MINISTRY
GOSFIELD NORTH TOWNSHIP GOSFIELD SUPPLY 210001610	(WATER IS SUPPLIED BY)	(UNION ESSEX WSS)			MINISTRY
GOSFIELD SOUTH (UNION) TOWNSHIP UNION WSS 210000853	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE	16.000 (72.736)	44752	MINISTRY
GRAND BEND VILLAGE GRAND BEND SUPPLY 210000808	(WATER IS SUPPLIED BY)	(LAKE HURON WSS)			MUNICIPALITY
HANOVER TOWN HANOVER WTP AND WELL SUPPLY 210000167	SURFACE SOURCE-CHLORINATION GROUND SOURCE - CHEMICAL TRTMT CHLORINATION	RUHL LAKE	2.590 (11.774)	6415	MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3) (1000M)	POPULATION SERVED	OPERATED BY
HARROW-COLCHESTER SOUTH TOWN HARROW-COLCHESTER SOUTH WSS 210000130	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE	2.250 (10.229)	3328	MINISTRY
HARWICH TOWNSHIP HARWICH SUPPLY 210001530	(WATER IS SUPPLIED BY) FLUORIDATION	(BLENHEIM WSS)			MINISTRY
HARWICH (SHERWSBURY) TOWNSHIP SHREWSBURY-RAGLAN SUPPLY 210001754	(WATER IS SUPPLIED BY) FLUORIDATION	(BLENHEIM WSS)			MINISTRY
HENSALL VILLAGE HENSALL WELL SUPPLY 220001478	GROUND SOURCE-CHLORINATION		.432 (1.964)	1010	MUNICIPALITY
INGERSOLL TOWN INGERSOLL WELL SUPPLY 220000692	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		3.500 (15.911)	8979	MUNICIPALITY
KINCARDINE TOWN KINCARDINE WTP 220002716	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE HURON	2.540 (11.547)	6872	MUNICIPALITY
KINGSVILLE TOWN KINGSVILLE SUPPLY 220003403	(WATER IS SUPPLIED BY) CHLORINATION	(UNION-ESSEX WSS)			MUNICIPALITY
LEAMINGTON TOWN LEAMINGTON SUPPLY 220004992	(WATER IS SUPPLIED BY)	(UNION-ESSEX WSS)			MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
LIONS HEAD VILLAGE LIONS HEAD WTP 220002672	SURFACE SOURCE-CHLORINATION	GEORGIAN BAY	.475 (2.159)	436	MUNICIPALITY
LISTOWEL TOWN LISTOWEL WELL SUPPLY 220000512	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		1.800 (8.183)	5082	MUNICIPALITY
LOBO TOWNSHIP KILWORTH HEIGHTS WELL SUPPLY 210003994	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		.180 (.818)	33	MINISTRY
LONDON CITY LONDON CITY SUPPLY 220004812	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(LAKE HURON WSS)			MUNICIPALITY
LONDON (BIRR) TOWNSHIP BIRR WELL SUPPLY 220005492	GROUND SOURCE-CHLORINATION		.026 (.118)	63	MUNICIPALITY
LONDON (DENFIELD) TOWNSHIP DENFIELD HAMLET SUPPLY 210001488	(WATER IS SUPPLIED BY)	(LAKE HURON WSS)			MINISTRY
LUCAN VILLAGE LUCAN WELL SUPPLY 220002155	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.300 (1.364)	1838	MUNICIPALITY
LUCKNOW VILLAGE LUCKNOW WELL SUPPLY 220002663	GROUND SOURCE-NO TRTMT		.684 (3.109)	1209	MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3) (1000M)	POPULATION SERVED	OPERATED BY
MAIDSTONE (WOODSLEA) TOWNSHIP WOODSLEA SUPPLY 220004395	(WATER IS SUPPLIED BY)	(UNION ESSEX WSS)			MUNICIPALITY
MALDEN TOWNSHIP MALDEN SUPPLY 210001371	(WATER IS SUPPLIED BY) FLUORIDATION	(AMHERSTBURG WSS)			MINISTRY
MARKDALE VILLAGE MARKDALE WELL SUPPLY 220001744	GROUND SOURCE-CHLORINATION		.864 (3.928)	1260	MINISTRY
MEAFORD TOWN MEAFORD WTP 210000176	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION	GEORGIAN BAY	2.160 (9.819)	4724	MUNICIPALITY
MERSEA TOWNSHIP MERSEA SUPPLY 220004386	(WATER IS SUPPLIED BY)	(UNION ESSEX WSS)			MUNICIPALITY
MILDMAY VILLAGE MILDMAY WELL SUPPLY 220002654	GROUND SOURCE-NO TRTMT		.360 (1.637)	1030	MUNICIPALITY
MILVERTON VILLAGE MILVERTON WELL SUPPLY 220000503	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.315 (1.432)	1510	MUNICIPALITY
MITCHELL TOWN MITCHELL WELL SUPPLY 210000577	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION SEQUESTERING (FE)		1.513 (6.878)	2995	MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3 (1000M))	POPULATION SERVED	OPERATED BY
MOORE (CORUNNA) TOWNSHIP CORUNNA PV SUPPLY 210000915	(WATER IS SUPPLIED BY) FLUORIDATION	(LAMBTON COUNTY WSS)			MINISTRY
MOORE (MOORETOWN) TOWNSHIP MOORETOWN SUPPLY 210001594	(WATER IS SUPPLIED BY) FLUORIDATION	(LAMBTON COUNTY WSS)			MINISTRY
NORTH DORCHESTER TOWNSHIP DORCHESTER PV WELL SUPPLY 220002146	GROUND SOURCE-CHLORINATION		.559 (2.541)	2800	MUNICIPALITY
NORWICH TOWNSHIP NORWICH WELL SUPPLY 220000656	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.792 (3.600)	2290	MUNICIPALITY
NORWICH (OTTERVILLE) TOWNSHIP OTTERVILLE PV WELL SUPPLY 220000601	GROUND SOURCE-NO TRTMT		.187 (.850)	855	MUNICIPALITY
NORWICH (SPRINGFORD) TOWNSHIP SPRINGFORD HAMLET WELL SUPPLY 220000594	GROUND SOURCE-NO TRTMT		.086 (.391)	255	MUNICIPALITY
OIL SPRINGS VILLAGE OIL SPRING WELL SUPPLY 220001343	GROUND SOURCE-CHLORINATION		.064 (.291)	615	MUNICIPALITY
OWEN SOUND (RICHARD H.N) CITY RICHARD H. NEATH WTP 220001799	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	GEORGIAN BAY	6.600 (30.004)	14300	MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3 (1000M))	POPULATION SERVED	OPERATED BY
OWEN SOUND (SPRING) CITY SPRING WELL SUPPLY 220001780	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	CREAMORY HILL SPRINGS	1.200 (5.455)	6195	MUNICIPALITY
PAISLEY VILLAGE PAISLEY WTP 220002645	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	TEESWATER RIVER	.342 (1.555)	1078	MUNICIPALITY
PARKHILL TOWN PARKHILL SUPPLY 210000817	(WATER IS SUPPLIED BY) CHLORINATION	(LAKE HURON WSS)			MINISTRY
PETROLIA TOWN PETROLIA WSS 220002903	SURFACE SOURCE-CHLORINATION GROUND SOURCE-NO TREATMENT FLUORIDATION	LAKE HURON	1.680 (7.637)	4719	MUNICIPALITY
PLYMPTON TOWNSHIP PLYMPTON SUPPLY 220004368	(WATER IS SUPPLIED BY) FLUORIDATION	(PETROLIA WSS)			MUNICIPALITY
PLYMPTON (CAMLACHIE) TOWNSHIP CAMLACHIE SUPPLY 210001692	(WATER IS SUPPLIED BY) CHLORINATION	(PETROLIA WSS)			MUNICIPALITY
POINT EDWARD VILLAGE POINT EDWARD SUPPLY 210000924	(WATER IS SUPPLIED BY) FLUORIDATION	(LAMBTON WSS)			MINISTRY
PORT BURWELL VILLAGE PORT BURWELL SUPPLY 210000880	(WATER IS SUPPLIED BY) FLUORIDATION	(ELGIN WSS)			MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
PORT ELGIN TOWN PORT ELGIN WTP (SUM.POP.8260) 220002707	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE HURON	2.000 (9.092)	6303	MUNICIPALITY
PORT STANLEY VILLAGE PORT STANLEY WTP 220002459	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ERIE	1.200 (5.455)	2364	MUNICIPALITY
RIDGETOWN TOWN RIGETOWN WELL SUPPLY 220003369	GROUND SOURCE-CHLORINATION		.432 (1.964)	3058	MUNICIPALITY
RIPLEY VILLAGE RIPLEY WELL SUPPLY 220002636	GROUND SOURCE-CHLORINATION		.270 (1.227)	590	MUNICIPALITY
ROCHESTER TOWNSHIP ROCHESTER SUPPLY 210001629	(WATER IS SUPPLIED BY)	(UNION ESSEX WSS			MINISTRY
RODNEY VILLAGE RODNEY SUPPLY 220002958	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(WEST LORNE WSS)			MUNICIPALITY
SANDWICH SOUTH TOWNSHIP SANDWICH SOUTH SUPPLY 220003699	(WATER IS SUPPLIED BY) FLUORIDATION	(WINDSOR WSS)			MUNICIPALITY
SANDWICH WEST TOWNSHIP SANDWICH WEST SUPPLY 220004402	(WATER IS SUPPLIED BY) FLUORIDATION	(WINDSOR WSS)			MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 m³)	POPULATION SERVED	OPERATED BY
SARNIA (BRIGHTS GROVE) TOWNSHIP BRIGHTS GROVE SUPPLY 220002930	(WATER IS SUPPLIED BY) FLUORIDATION	(PETROLIA WSS)			MUNICIPALITY
SARNIA (LAMBTON) CITY LAMBTON COUNTY WSS 210000906	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE HURON	40.000 (181.840)	85458	MINISTRY
SARNIA (SARNIA) TOWNSHIP SARNIA SUPPLY 210001601	(WATER IS SUPPLIED BY) FLUORIDATION	(LAMBTON COUNTY WSS)			MINISTRY
SEAFORTH TOWN SEAFORTH WELL SUPPLY 220001511	GROUND SOURCE-CHLORINATION		1.730 (7.865)	2100	MUNICIPALITY
SOMBRA TOWNSHIP SOMBRA PV SUPPLY 220001325	(WATER IS SUPPLIED BY) FLUORIDATION	(LAMBTON COUNTY WSS)			MUNICIPALITY
SOMBRA (PORT LAMBTON) TOWNSHIP PORT LAMBTON PV SUPPLY 220001316	(WATER IS SUPPLIED BY) FLUORIDATION	(LAMBTON COUNTY WSS)			MUNICIPALITY
SOUTH-WEST OXFORD (BEACH TOWNSHIP BEACHVILLE-LOWEVILLE SUBD WELL SUPPLY 220000674	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.259 (1.177)	168	MUNICIPALITY
SOUTH-WEST OXFORD (BROWN TOWNSHIP BROWNSVILLE HAMLET WELL SUPPLY 220000638	GROUND SOURCE-NO TRTMT		.099 (.450)	400	MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3/d (1000M))	POPULATION SERVED	OPERATED BY
SOUTH-WEST OXFORD TOWNSHIP MT ELGIN HAMLET WELL SUPPLY 220000629	GROUND SOURCE-CHLORINATION		.109 (.496)	330	MUNICIPALITY
SOUTHAMPTON TOWN SOUTHAMPTON WTP 210000078	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION	LAKE HURON	.840 (3.819)	2732	MINISTRY
SOUTHWOLD TOWNSHIP SOUTHWOLD SUPPLY 210001362	(WATER IS SUPPLIED BY) FLUORIDATION	(ELGIN WSS)			MINISTRY
ST CLAIR BEACH VILLAGE ST CLAIR BEACH SUPPLY 220003323	(WATER IS SUPPLIED BY) FLUORIDATION	(WINDSOR WSS)			MUNICIPALITY
ST MARYS SEPARATED TOWN ST MARYS WELL SUPPLY 220000521	GROUND SOURCE-CHLORINATION		2.304 (10.474)	4845	MUNICIPALITY
ST THOMAS CITY ST THOMAS SUPPLY 210000899	(WATER IS SUPPLIED BY) FLUORIDATION	(ELGIN WSS)			MINISTRY
STEPHEN (CENTRALIA HURON TOWNSHIP CENTRALIA HURON IND WELL SUPPLY 220001450	GROUND SOURCE-CHLORINATION		.576 (2.618)	1230	MUNICIPALITY
STEPHEN (HURON PARK) TOWNSHIP HURON PARK WELL SUPPLY 210003048	GROUND SOURCE-CHLORINATION		.576 (2.618)	1400	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
STEPHEN (LAKE HURON) TOWNSHIP LAKE HURON WSS 210000791	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE HURON	37.000 (168.202)	273000	MINISTRY
STEPHEN-HAY (DASHWOOD) TOWNSHIP DASHWOOD SUPPLY 210001745	(WATER IS SUPPLIED BY)	(LAKE HURON WSS)			MINISTRY
STRATFORD CITY STRATFORD WELL SUPPLY 220000530	GROUND SOURCE-PHYSICAL TRTMT CHLORINATION		6.466 (29.394)	26477	MUNICIPALITY
STRATHROY TOWN STRATHROY WELL SUPPLY 220002173	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION SEQUESTERING (FE)		2.950 (13.411)	9100	MUNICIPALITY
TARA VILLAGE TARA WELL SUPPLY 220002627	GROUND SOURCE-CHLORINATION		.219 (.996)	701	MUNICIPALITY
TECUMSEH TOWN TECUMSEH SUPPLY 220003314	(WATER IS SUPPLIED BY) FLUORIDATION	(WINDSOR WSS)			MUNICIPALITY
TEESWATER VILLAGE TEESWATER WELL SUPPLY 220002618	GROUND SOURCE-NO TRTMT		.569 (2.587)	1039	MUNICIPALITY
THAMESVILLE VILLAGE THAMESVILLE WELL SUPPLY 210001727	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.288 (1.309)	905	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
THEDFORD VILLAGE THEDFORD WELL SUPPLY & SUPPLLY 210000425	GROUND SOURCE-CHLORINATION AREA SCHEME SOURCE	STANDBY LAKE HURON WSS	.063 (.286)	661	MINISTRY
THORNBURY TOWN THORNBURY WTP 220001762	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	GEORGIAN BAY	1.100 (5.001)	2010	MINISTRY
TILBURY TOWN TILBURY WTP 220003350	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ST CLAIR	1.434 (6.519)	5200	MUNICIPALITY
TILBURY NORTH TOWNSHIP TILBURY NORTH WSS (STONEY POINT) 220003396	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ST.CLAIR	.750 (3.410)	4100	MUNICIPALITY
TILBURY WEST (COMBER) TOWNSHIP COMBER SUPPLY 210001095	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(TILBURY NORTH WSS)			MINISTRY
TILLSONBURG TOWN TILLSONBURG WELL SUPPLY 220000683	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		2.200 (10.001)	10667	MUNICIPALITY
TIVERTON VILLAGE TIVERTON WELL SUPPLY 220002609	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.240 (1.091)	774	MUNICIPALITY
TUCKERSMITH TOWNSHIP EGMONDVILLE WELL SUPPLY 220001441	GROUND SOURCE-CHLORINATION		.144 (.655)	520	MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3) (1000M)	POPULATION SERVED	OPERATED BY
TUCKERSMITH TOWNSHIP VAN ASTRA SUPPLY(CLINTON) 210001585	(WATER IS SUPPLIED BY) CHLORINATION	(CLINTON WSS)			MINISTRY
VIENNA VILLAGE VIENNA SUPPLY 210001282	(WATER IS SUPPLIED BY) FLUORIDATION	(ELGIN WSS)			MINISTRY
WALKERTON TOWN WALKERTON WELL SUPPLY 220002690	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		2.352 (10.692)	4585	MUNICIPALITY
WALLACE TOWNSHIP GOWANSTOWN WELL SUPPLY 220003975	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.036 (.164)	60	MUNICIPALITY
WALLACEBURG TOWN WALLACEBURG WTP 220003341	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	CHENAL ECARTE	3.000 (13.638)	12379	MUNICIPALITY
WATFORD VILLAGE WATFORD SUPPLY 220002912	(WATER IS SUPPLIED BY) FLUORIDATION	(PETROLIA WSS)			MUNICIPALITY
WEST LORNE VILLAGE WEST LORNE WSS 220002949	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ERIE	1.870 (8.501)	6570	MUNICIPALITY
WEST WILLIAMS TOWNSHIP WEST WILLIAMS SUPPLY 210001424	(WATER IS SUPPLIED BY)	(LAKE HURON WSS)			MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3/d (1000M))	POPULATION SERVED	OPERATED BY
WESTMINSTER TOWNSHIP WESTMINSTER SUPPLY 210001451	(WATER IS SUPPLIED BY)	(LAKE HURON WSS)			MINISTRY
WESTMINSTER (LAMBETH) TOWNSHIP LAMBETH PV WELL SUPPLY 220002128	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		1.920 (8.728)	2800	MUNICIPALITY
WHEATLEY VILLAGE WHEATLEY WTP 220003332	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE	.800 (3.637)	3600	MUNICIPALITY
WIARTON TOWN WIARTON WTP 220002681	SURFACE SOURCE-CHLORINATION	GEORGIAN BAY	1.050 (4.773)	2357	MUNICIPALITY
WINDSOR CITY WINDSOR MAIN PLANT WSS 220003421	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	DETROIT RIVER	60.000 (272.760)	225000	MUNICIPALITY
WINGHAM TOWN WINGHAM WELL SUPPLY 220001502	GROUND SOURCE-CHLORINATION		2.665 (12.115)	2937	MUNICIPALITY
WOODSTOCK CITY WOODSTOCK WELL SUPPLY 220000709	GROUND SOURCE-CHLORINATION		10.500 (47.733)	27200	MUNICIPALITY
WYOMING VILLAGE WYOMING SUPPLY 220002921	(WATER IS SUPPLIED BY) FLUORIDATION	(PETROLIA WSS)			MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3/d (1000M))	POPULATION SERVED	OPERATED BY
YARMOUTH (ELGIN) TOWNSHIP ELGIN WSS (WELLS FOR BACKUP) 210000871	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ERIE	10.000 (45.460)	30651	MINISTRY
ZORRA (EMBRO) TOWNSHIP EMBRO WELL SUPPLY 220000665	GROUND SOURCE-NO TRTMT		.173 (.786)	780	MUNICIPALITY
ZORRA (THAMESFORD) TOWNSHIP THAMESFORD PV WELL SUPPLY 220000610	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.504 (2.291)	1800	MUNICIPALITY
ZURICH VILLAGE ZURICH WELL SUPPLY 220001469	GROUND SOURCE-CHLORINATION		.317 (1.441)	800	MUNICIPALITY

SOUTHWESTERN REGION

AREA WATER SUPPLY SYSTEMS

TOTAL AREA WATER SUPPLY SYSTEMS	TOTAL CAPACITY	
	$1000m^3$	MIGD
THIRTEEN	870.4	191.4

SYSTEM: **AMHERSTBURG-ANDERDON-MALDEN WATER SUPPLY SYSTEM** (AMHERSTBURG W.S.S.) 210000149

Number of Plants: One
Operated by: Ministry of the Environment

Number of Municipalities Served: Four

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
ANDERDON TWP. (Near North End of Amherstburg)	Screening (power) Coagulation Flocculation Sedimentation Filtration Chlorination Fluoridation	4.0 MIGD (18.2 1000m^3/d)	Amherstburg Town Anderdon Twp Colchester N. Twp. Malden Twp.	Detroit River

SYSTEM: **BLENHEIM WATER SUPPLY SYSTEM** 210000274

Number of Plants: One
Operated by: Ministry of the Environment

Number of Municipalities Served: Three

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
BLENHEIM TOWN (Ralph Twp. 4 miles west of Cedar Springs)	Screening (Manual) Coagulation Flocculation Sedimentation Filtration Fluoriodation Chlorination	1.0 MIGD (4.6 1000m^3/d)	Blenheim Town Harwich Twp. Raleigh Twp.	Lake Erie

SYSTEM: **ELGIN WATER SUPPLY SYSTEM** 210000871

Number of Plants: One
Operated by: Ministry of the Environment

Number of Municipalities Served: Seven

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
YARMOUTH TOWNSHIP	Screening Coagulation Flocculation Sedimentation Filtration Chlorination Fluoridation	10.0 MIGD (45.5 1000m^3/d)	St. Thomas City Port Burwell Village Vienna Village Bayham Twp. Malahide Twp. Southwold Twp. Yarmouth Twp.	Lake Erie

SYSTEM: **ERIEAU/ERIE BEACH WATER SUPPLY SYSTEM** 210001415

Number of Plants: One
Operated by: Ministry of the Environment

Number of Municipalities Served: Four

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED*	SOURCE
RALEIGH TOWNSHIP (Near Erieau Beach)	Screening Coagulation Flocculation Direct Filtration Chlorination	0.57 MIGD (2.60 1000m^3/d)	Erieau Village Erie Beach Village Harwich Twp. Raleigh Twp.	Kent County Water Supply Syst (Lake Erie)

*Emergency supply of treated water to Blenheim Water Supply System.

SYSTEM: **HARROW - COLCHESTER SOUTH WATER SUPPLY SYSTEM** 210000130

Number of Plants: One
Operated by: Ministry of the Environment

Number of Municipalities Served: Two

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
COLCHESTER SOUTH VILLAGE	Microstraining Coagulation Flocculation Up Flow Clarifier Filtration Chlorination	2.25 MIGD (10.23 1000m³/d)	Harrow Town Colchester S. Twp.	Lake Erie

SYSTEM: **KENT COUNTY WATER SUPPLY SYSTEM** 210003057

Number of Plants: One
Operated by: Ministry of the Environment

Number of Municipalities Served: Three

PLANT LOCATION	TREATMENT	CAPACITY	*MUNICIPALITIES SERVED	SOURCE
ERIE BEACH AREA Raleigh Twp.	Screening Chlorination	15.0 MIGD (68.20 1000m³/d)	Chatham City Harwich Twp. Raleigh Twp.	Lake Erie

*NOTE: Supplies raw water to Erieau and Erie Beach Water Supply System
Supplies raw water to Chatham Water Supply System.

SYSTEM: **LAKE HURON WATER SUPPLY SYSTEM** 210000791

Number of Plants: One
Operated by: Ministry of the Environment

Number of Municipalities Served: Twelv

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
STEPHEN TOWNSHIP (North of Grand Bend)	Screening Coagulation Flocculation Sedimentation Filtration Chlorination	37.0 MIGD (168.2 1000m³/d)	London City Parkhill Town Ailsa Craig Village East Williams Twp. Hay Twp. London Township McGillivray Twp. West Williams Twp. Grand Bend Village Thedford Village Bosanquet Twp. Stephen Twp.	Lake Huron

SYSTEM: **LAMPTON COUNTY WATER SUPPLY SYSTEM** 210000906

Number of Plants: One
Operated by: Ministry of the Environment

Number of Municipalities Served: Five

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
SARNIA CITY	Coagulation Flocculation Direct Filtration Fluoridation Chlorination	40.0 MIGD (181.8 1000m³/d)	Sarnia City Point Edward Village Moore Twp. - Bridgen - Corunna - Courtland - Mooreland Sarnia Twp. Sombra Twp. - Port Lambton - Sombra	At confluence of St. Clair River and Lake Huron

SYSTEM: **PETROLIA WATER SUPPLY SYSTEM** 210002903

Number of Plants: One
Operated by: Petrolia Public Utilities Commission

Number of Municipalities Served: Six

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
SARNIA TOWNSHIP (Brights Grove)	Sedimentation Fluoridation Chlorination	3.0 MIGD (13.6 1000m^3/d)	Petrolia Town *Watford Village *Wyoming Village Enniskillen Twp. Plympton Twp. Sarnia Twp. - Brights Grove	Lake Huron

*Note: A Ministry operated pipeline connected to this system feeds the villages of Watford and Wyoming and portions of Plympton Twp.

SYSTEM: **TILBURY NORTH WATER SUPPLY SYSTEM** 210003396

Number of Plants: One
Operated by: Tilbury North Township

Number of Municipalities Served: Two

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
TILBURY N. TOWNSHIP (Stoney Point)	Coagulation Flocculation Sedimentation Chlorination Filtration (pressure)	0.750 MIGD (3.410 1000m^3/d)	**Tilbury North Twp. **Tilbury West Twp.	Lake St. Clair

**Note: A Ministry owned pipeline connected to the Treatment Plants feeds most of Tilbury North Township and portions of Tilbury West Township.

SYSTEM: **UNION WATER SUPPLY SYSTEM** 210000853

Number of Plants: One
Operated by: Ministry of the Environment

Number of Municipalities Served: Nine

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
GOSFIELD SOUTH TWP.	Coarse Screening Microstraining Coagulation Flocculation Sedimentation Filtration Carbon Adsorption Chlorination	16.0 MIGD (72.75 1000m³/d)	Essex Town Kingsville Town Leamington Town Gosfield North Twp. Gosfield South Twp. Maidstone Twp. Mersea Twp. Rochester Twp. Sandwich South Twp.	Lake Erie

Note: H. J. Heinz Co. Ltd. is a major user of the system.
Interconnections have been made for emergency use
to the Belle River and Harrow-Colchester S. Area Water Systems.

SYSTEM: **WEST LORNE WATER SUPPLY SYSTEM** 210002949

Number of Plants: One
Operated by: West Lorne Public Utilities Commission

Number of Municipalities Served: Four

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
WEST LORNE VILLAGE	Coagulation Flocculation Sedimentation Filtration Chlorination Fluoridation (Activated Carbon)	1.9 MIGD (8.5 1000m³/d)	Dutton Village Glencoe Village Rodney Village West Lorne Village	Lake Erie

SYSTEM: **WINDSOR WATER SUPPLY SYSTEM** 210003421

Number of Plants: One
Operated by: Windsor Public Utilities Commission

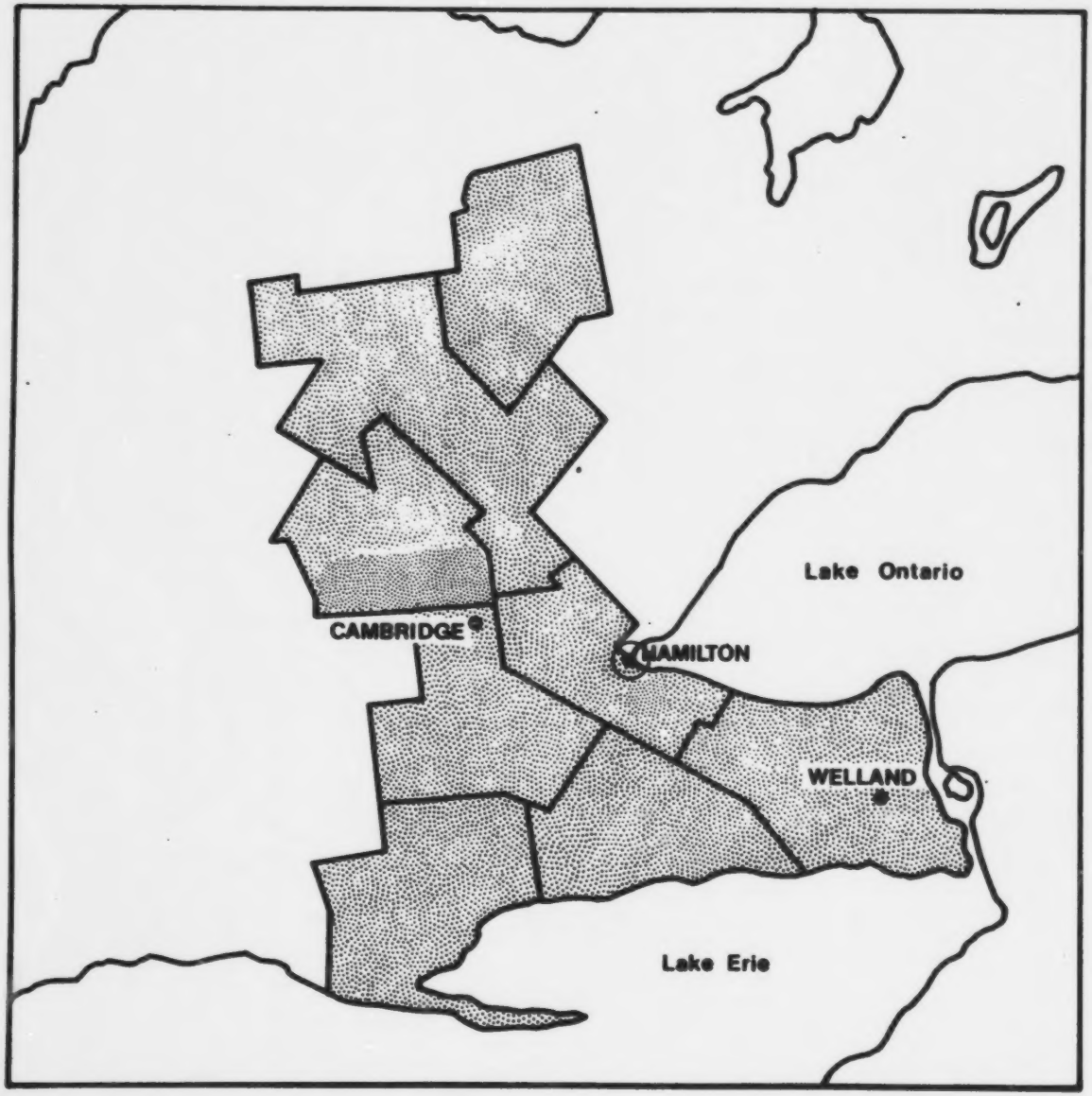
Number of Municipalities Served: Five

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
WINDSOR CITY	Coagulation Flocculation Sedimentation Filtration Taste & Odour Control Fluoridation Chlorination	60.0 MIGD (272.8 1000m^3/d)	Windsor City Tecumseh Town St. Clair Beach Village Sandwich S. Twp. Sandwich W. Twp.	Detroit River

West Central Region

Ministry of the Environment

Ontario



REGIONAL OFFICES

Hamilton
119 King St. W.
P.O. Box 2112
L8N 3Z9
416 521-7640

DISTRICT OFFICES

Cambridge
400 Clyde Road
P.O. Box 219
N1R 5T8
519 623-2080

Haldimand-Norfolk/Brant
119 King St. W.
P.O. Box 2112
L8N 3Z9
416 521-7657

Hamilton-Wentworth
119 King St. W.
P.O. Box 2112
L8N 3Z9
416 521-7732

Welland
637 641 Niagara St. N.
L3C 1L9
416 384-9896

WEST CENTRAL REGION SUMMARY

TREATMENT TYPE	<--- NUMBER --->			<--- ** CAPACITY MIGD (1000M^3) --->		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
GROUND SOURCE - NO TREATMENT	0	11	11	.000	12.371	12.371 (56.239)
GROUND SOURCE - CHLORINATION ONLY	0	12	12	.000	52.470	52.470 (238.529)
GROUND SOURCE - CHEMICAL TRTMT	2	10	12	.976	16.969	17.945 (81.578)
GROUND SOURCE - PHYSICAL TRTMT	0	0	0	.000	.000	.000 (.000)
GROUND SOURCE - PHY+CHEM TRTMT	0	4	4	.000	21.820	21.820 (99.194)
SURFACE SOURCE - CHLORINATION ONLY	1	0	1	20.500	.000	20.500 (93.193)
SURFACE SOURCE - CHEMICAL TRTMT	0	0	0	.000	.000	.000 (.000)
SURFACE SOURCE - PHYSICAL TRTMT	0	0	0	.000	.000	.000 (.000)
SURFACE SOURCE - PHY+CHEM TRTMT	2	14	16	5.000	309.884	314.884 (1,431.463)
**** TOTALS ****	5	51	56	26.476 (120.360)	413.514 (1,879.835)	439.990 (2,000.195)

CHEMICAL TREATMENT : PROCESSES SUCH AS COAGULATION, FLOCCULATION AND FLUORIDATION WHICH USE CHEMICAL AIDS COME UNDER THIS CATAGORY. ALSO INCLUDED ARE THE CHEMICAL REMOVAL PROCESSES LIKE IRON REMOVAL, DENITRIFICATION AND DECHLORINATION.

PHYSICAL TREATMENT : PROCESSES USING MECHANICAL AIDS SUCH AS SCREENING, SEDIMENTATION AND FILTRATION COME UNDER THIS CATAGORY.

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY
1000M^3 :THOUSANDS OF CUBIC METRES

CONVERSION FACTOR
1 MGD = 4.546 1000M^3

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3/d (1000M))	POPULATION SERVED	OPERATED BY
ANCASTER TOWN ANCASTER SUPPLY 220004411	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(HAMILTON WSS)			MUNICIPALITY
ARTHUR VILLAGE ARTHUR WELL SUPPLY 220000040	GROUND SOURCE-NO TRTMT		.748 (3.400)	1700	MUNICIPALITY
BRANTFORD CITY BRANTFORD WTP 220003564	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	GRAND RIVER	25.000 (113.650)	75000	MUNICIPALITY
BRANTFORD TOWNSHIP AIRPORT WELL SUPPLY 220002743	GROUND SOURCE-CHLORINATION		.504 (2.291)	811	MUNICIPALITY
BRANTFORD TOWNSHIP TUTELA HEIGHTS WELL SUPPLY 210000069	GROUND SOURCE-CHLORINATION		.288 (1.309)	1300	MUNICIPALITY
CAMBRIDGE CITY CAMBRIDGE WELL SUPPLY 220000166	GROUND SOURCE-CHLORINATION		15.800 (71.827)	76151	MUNICIPALITY
CLIFFORD VILLAGE CLIFFORD WELL SUPPLY 220000031	GROUND SOURCE-NO TRTMT		.288 (1.309)	620	MUNICIPALITY
DELHI TOWNSHIP DELHI WTP 220000415	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	NORTH CREEK	1.500 (6.819)	3880	MINISTRY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
DRAYTON VILLAGE DRAYTON WELL SUPPLY 220004064	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION SEQUESTERING (FE)	CONESTOGO RIVER	.760 (3.455)		MINISTRY
DUNDAS TOWN DUNDAS SUPPLY 220003127	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(HAMILTON WSS)			MUNICIPALITY
DUNNVILLE TOWN DUNNVILLE WSS (INDUSTRIAL WATER) 210000185	SURFACE SOURCE-CHLORINATION	LAKE ERIE	20.500 (93.193)		MINISTRY
DUNNVILLE TOWN DUNNVILLE WTP 220003555	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE VIA DUNN.WSS	15.910 (72.327)	5471	MUNICIPALITY
ELORA VILLAGE ELORA WELL SUPPLY 220000022	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.668 (3.037)	2000	MUNICIPALITY
ERAMOSA TOWNSHIP ROCKWOOD WELL SUPPLY 220005599	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.432 (1.964)	840	MUNICIPALITY
ERIN VILLAGE ERIN WELL SUPPLY 220000013	GROUND SOURCE-NO TRTMT		.540 (2.455)	1811	MUNICIPALITY
FERGUS TOWN FERGUS WELL SUPPLY 220000086	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		1.250 (5.683)	6000	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
FLAMBOROUGH TOWN FLAMBOROUGH HILLS WELL SUPPLY 220004108	GROUND SOURCE-NO TRTMT		.300 (1.364)	411	MUNICIPALITY
FLAMBOROUGH TOWN GREENSVILLE WELL SUPPLY 220004126	GROUND SOURCE-CHLORINATION		.040 (.182)	100	MUNICIPALITY
FLAMBOROUGH TOWN WATERDOWN SUPPLY 220002271	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(BURLINGTON WSS)			MUNICIPALITY
FLAMBOROUGH TOWN WILDAN ESTATES WELL SUPPLY 220004117	GROUND SOURCE-NO TRTMT		.150 (.682)	180	MUNICIPALITY
FORT ERIE TOWN ROSEHILL WTP(BERTIE) 220002020	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE	11.000 (50.006)	21506	MUNICIPALITY
GRIMSBY TOWN GRIMSBY WTP 220001995	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	4.600 (20.912)	14221	MUNICIPALITY
GUELPH CITY GUELPH WELL SUPPLY 22.9 MGD SUMMER CAP. 220000095	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION	RECHARGE FROM ERAMOSA R.	19.900 (90.465)	76600	MUNICIPALITY
HALDIMAND (CALEDONIA) TOWN CALEDONIA WELL SUPPLY 220001735	GROUND SOURCE-CHLORINATION		1.040 (4.728)	4337	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
HALDIMAND (CAYUGA) TOWN CAYUGA WTP 220001717	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	GRAND RIVER	.240 (1.091)	1107	MUNICIPALITY
HALDIMAND (HAGERSVILLE) TOWN HAGERSVILLE SUPPLY 220001708	(WATER IS SUPPLIED BY)	(HALDI/NORFOLK WSS)			MINISTRY
HAMILTON CITY HAMILTON WSS (WOODWARD AVE) 220003118	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	150.000 (681.900)	308100	MUNICIPALITY
HARRISTON TOWN HARRISTON WELL SUPPLY 220000077	GROUND SOURCE-NO TRTMT		.864 (3.928)	2400	MUNICIPALITY
KITCHENER (BRIDGEPORT) CITY BRIDGEPORT SUPPLY 220003109	(WATER IS SUPPLIED BY)	(KITCHENER WSS)			MUNICIPALITY
KITCHENER (KITCHENER) CITY KITCHENER WELL SUPPLY 220003092	GROUND SOURCE-CHLORINATION		22.000 (100.012)	144151	MUNICIPALITY
LINCOLN (BEAMSVILLE) TOWN BEAMSVILLE WTP 220001986	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	.900 (4.091)	5201	MUNICIPALITY
MOUNT FOREST TOWN MT.FOREST WELL SUPPLY(EMERG CAP 24 MG) 220000068	GROUND SOURCE-NO TRTMT		2.300 (10.456)	3400	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3M)	POPULATION SERVED	OPERATED BY
NANTICOKE CITY HALDIMAND/NORFOLK WSS 210001558	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE	3.500 (15.911)	5600	MINISTRY
NANTICOKE CITY JARVIS SUPPLY 220001691	(WATER IS SUPPLIED BY)	(HALDI/NORFOLK WSS)			MINISTRY
NANTICOKE CITY PORT DOVER SPRING SUPPLY (STANDBY) 220000380	GROUND SOURCE-CHEMICAL TRTMT	(PORT DOVER WSS)	.240 (1.091)	4735	MUNICIPALITY
NANTICOKE CITY PORT DOVER WSS 220000399	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE	2.580 (11.729)	4735	MUNICIPALITY
NANTICOKE(STELCO) CITY IND SUPPLY 210001308	(WATER IS SUPPLIED BY)	(HALDI/NORFOLK WSS)			MINISTRY
NANTICOKE CITY WATERFORD WELL SUPPLY 220000905	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.776 (3.528)	2803	MUNICIPALITY
NIAGARA FALLS CITY NIAGARA FALLS WTP 220002084	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	NIAGARA RIVER	32.000 (145.472)	68843	MUNICIPALITY
NIAGARA-ON-THE-LAKE TOWN VIRGIL/ST.DAVID'S WELL SUPPLY (STAND BY) 220001940	GROUND SOURCE-CHLORINATION		2.088 (9.492)	10029	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
NORFOLK (COURTLAND) TOWNSHIP COURTLAND WELL SUPPLY 210001120	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.216 (.982)	525	MINISTRY
NORFOLK (PORT ROWAN) TOWNSHIP PORT ROWAN WTP 220000898	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE	.500 (2.273)	825	MUNICIPALITY
NORTH DUMFRIES (AYR) TOWNSHIP AYR PV WELL SUPPLY 220004199	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.500 (2.273)	1323	MUNICIPALITY
ORANGEVILLE TOWN ORANGEVILLE WELL SUPPLY 220003252	GROUND SOURCE-NO TRTMT		4.770 (21.684)	11179	MUNICIPALITY
PALMERSTON TOWN PALMERSTON WELL SUPPLY 220000059	GROUND SOURCE-NO TRTMT		.580 (2.637)	2034	MUNICIPALITY
PARIS TOWN PARIS WELL SUPPLY 220002752	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION		3.341 (15.188)	7250	MUNICIPALITY
PELHAM (FONTHILL) TOWN FONTHILL WELL SUPPLY & SUPPLY 220001931	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION AREA SCHEME SOURCE	(WELLAND WSS)	1.000 (4.546)	2814	MUNICIPALITY
PORT COLBORNE CITY PORT COLBORNE WTP 220002075	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	WELLAND SHIP CANAL	6.000 (27.276)	15597	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
SHELBURNE TOWN SHELBURNE WELL SUPPLY 220004965	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		1.286 (5.846)	2800	MUNICIPALITY
SIMCOE TOWN SIMCOE WELL SUPPLY 220000371	GROUND SOURCE-CHLORINATION		3.850 (17.502)	12109	MUNICIPALITY
SOUTH DUMFRIES TOWNSHIP ST. GEORGE WELL SUPPLY 220002734	GROUND SOURCE-NO TRTMT		1.800 (8.183)	1000	MUNICIPALITY
ST CATHARINES (DE CEW) CITY DE CEW WSS 220002066	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	WELLAND SHIP CANAL	42.000 (190.932)	149520	MUNICIPALITY
STONEY CREEK CITY STONEY CREEK SUPPLY 220003136	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(HAMILTON WSS)			MUNICIPALITY
THOROLD (PORT ROBINSON) CITY PORT ROBINSON WTP 220001922	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	WELLAND SHIP CANAL	.154 (.700)	377	MUNICIPALITY
THOROLD (THOROLD) CITY THOROLD SUPPLY 220004313	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(ST.CATH.DE CEW WSS)			MUNICIPALITY
WATERLOO CITY WATERLOO WELL SUPPLY 220000157	GROUND SOURCE-CHEMICAL TRTMT FLUORIDATION		8.500 (38.641)	55353	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
WELLAND CITY WELLAND WSS 220002048	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	WELLAND SHIP CANAL	19.000 (86.374)	49697	MUNICIPALITY
WELLESLEY TOWNSHIP WELLESLEY HTS. SUBDIVISION WELL SUPPLY 220004215	GROUND SOURCE-CHLORINATION		.297 (1.350)	116	MUNICIPALITY
WELLESLEY (LINWOOD) TOWNSHIP LINWOOD WELL SUPPLY 220000102	GROUND SOURCE-NO TRTMT		.031 (.141)	60	MUNICIPALITY
WEST LINCOLN TOWNSHIP SMITHVILLE WELL SUPPLY 220001897	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION		.580 (2.637)	2045	MUNICIPALITY
WILMOT TOWNSHIP NEW HAMBURG-BADEN WELL SUPPLY 220000111	GROUND SOURCE-CHLORINATION		1.800 (8.183)	5041	MUNICIPALITY
WILMOT (NEW DUNDEE) TOWNSHIP NEW DUNDEE WELL SUPPLY 220004180	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.172 (.782)	146	MUNICIPALITY
WOOLWICH (ELMIRA) TOWNSHIP ELMIRA WSS 220000148	GROUND SOURCE-CHLORINATION		4.700 (21.366)	7111	MUNICIPALITY
WOOLWICH (MARY HILL) TOWNSHIP MARY HILL SUBDIVISION WELL SUPPLY 220004171	GROUND SOURCE-CHLORINATION		.063 (.286)	150	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3 (1000M))	POPULATION SERVED	OPERATED BY
WOOLWICH (ST JACOBS) TOWNSHIP ST JACOBS SUPPLY & WELL SUPPLY(STAND BY) 210000014	GROUND SOURCE-PHY+CHEM TRTMT AREA SCHEME SOURCE CHLORINATION	(ELMIRA WSS)	.144 (.655)	1283	MUNICIPALITY

WEST CENTRAL REGION

WATER TREATMENT

REGIONAL MUNICIPALITIES

REGIONAL MUNICIPALITIES	CAPACITY	
	$1000m^3$	MIGD
HALDIMAND - NORFOLK	231.2	50.8
HAMILTON - WENTWORTH	685.5	150.3
NIAGARA	542.5	119.3
WATERLOO	245.5	54.0
TOTAL	1704.7	374.4

REGIONAL MUNICIPALITY OF HALDIMAND-NORFOLK

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
DELHI TOWNSHIP DELHI WTP 220000415	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	NORTH CREEK	1.500 (6.819)	3880	MINISTRY
DUNNVILLE TOWN DUNNVILLE WSS (INDUSTRIAL WATER) 210000185	SURFC SOURCE-CHLORINATION	LAKE ERIE	20.500 (93.193)		MINISTRY
DUNNVILLE TOWN DUNNVILLE WTP 220003555	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE VIA DUNN.WSS	15.910 (72.327)	5471	MUNICIPALITY
HALDIMAND (CALEDONIA) TOWN CALEDONIA WELL SUPPLY 220001735	GROUND SOURCE-CHLORINATION		1 040 (4.728)	4337	MUNICIPALITY
HALDIMAND (CAYUGA) TOWN CAYUGA WTP 220001717	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	GRAND RIVER	.240 (1.091)	1107	MUNICIPALITY
HALDIMAND (HAGERSVILLE) TOWN HAGERSVILLE SUPPLY 220001708	(WATER IS SUPPLIED BY)	(HALDI/NORFOLK WSS)			MINISTRY
NANTICOKE(HALD/NORF) CITY HALDIMAND/NORFOLK WSS 210001558	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE	3.500 (15.911)	5600	MINISTRY
NANTICOKE(JARVIS) CITY JARVIS SUPPLY 220001691	(WATER IS SUPPLIED BY)	(HALDI/NORFOLK WSS)			MINISTRY

REGIONAL MUNICIPALITY OF HALDIMAND-NORFOLK

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
NANTICOKE CITY PORT DOVER SPRING SUPPLY (STANDBY) 220000380	GROUND SOURCE-CHEMICAL TRTMT	(PORT DOVER WSS)	.240 (1.091)	4735	MUNICIPALITY
NANTICOKE(P.DOVER) CITY PORT DOVER WSS 220000399	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE	2.580 (11.729)	4735	MUNICIPALITY
NANTICOKE(STELCO) CITY IND SUPPLY 210001308	(WATER IS SUPPLIED BY)	(HALDI/NORFOLK WSS)			MINISTRY
NANTICOKE(WATERFORD) CITY WATERFORD WELL SUPPLY 220000905	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.776 (3.528)	2803	MUNICIPALITY
NORFOLK (COURTLAND) TOWNSHIP COURTLAND WELL SUPPLY 210001120	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.216 (.982)	525	MINISTRY
NORFOLK (PORT ROWAN) TOWNSHIP PORT ROWAN WTP 220000898	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE	.500 (2.273)	825	MUNICIPALITY
SIMCOE TOWN SIMCOE WELL SUPPLY 220000371	GROUND SOURCE-CHLORINATION		3.850 (17.502)	12109	MUNICIPALITY
	TOTAL CAPACITY:		50.852 (231.173)		

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (10^3M)	POPULATION SERVED	OPERATED BY
ANCASTER TOWN ANCASTER SUPPLY 220004411	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(HAMILTON WSS)			MUNICIPALITY
DUNDAS TOWN DUNDAS SUPPLY 220003127	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(HAMILTON WSS)			MUNICIPALITY
FLAMBOROUGH TOWN FLAMBOROUGH HILLS WELL SUPPLY 220004108	GROUND SOURCE-NO TREATMENT		.300 (1.364)	411	MUNICIPALITY
FLAMBOROUGH TOWN GREENSVILLE WELL SUPPLY 220004126	GROUND SOURCE-CHLORINATION		.040 (.182)	100	MUNICIPALITY
FLAMBOROUGH (WATERDOWN) TOWN WATERDOWN SUPPLY 220002271	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(BURLINGTON WSS)			MUNICIPALITY
FLAMBOROUGH (WILDAR) TOWN WILDAN ESTATES WELL SUPPLY 220004117	GROUND SOURCE-NO TREATMENT		.150 (.682)	180	MUNICIPALITY
HAMILTON CITY HAMILTON WSS (WOODWARD AVE) 220003118	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	150.000 (681.900)	308100	MUNICIPALITY
STONEY CREEK CITY STONEY CREEK SUPPLY 220003136	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(HAMILTON WSS)			MUNICIPALITY
	TOTAL CAPACITY:		150.490 (684.128)		

REGIONAL MUNICIPALITY OF NIAGARA

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (10^3m)	POPULATION SERVED	OPERATED BY
FORT ERIE TOWN ROSEHILL WTP(BERTIE) 220002020	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE	11.000 (50.006)	21506	MUNICIPALITY
GRIMSBY TOWN GRIMSBY WTP 220001995	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	4.600 (20.912)	14221	MUNICIPALITY
LINCOLN (BEAMSVILLE) TOWN BEAMSVILLE WTP 220001986	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	.900 (4.091)	5201	MUNICIPALITY
NIAGARA FALLS CITY NIAGARA FALLS WTP 220002084	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	NIAGARA RIVER	32.000 (145.472)	68843	MUNICIPALITY
NIAGARA-ON-THE-LAKE TOWN VIRGIL/ST.DAVID'S WELL SUPPLY (STAND BY) 220001940	GROUND SOURCE-CHLORINATION		2.088 (9.492)	10029	MUNICIPALITY
PELHAM (FONTHILL) TOWN FONTHILL WELL SUPPLY & SUPPLY 220001931	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION AREA SCHEME SOURCE	(WELLAND WSS)	1.000 (4.546)	2814	MUNICIPALITY
PORT COLBORNE CITY PORT COLBORNE WTP 220002075	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	WELLAND SHIP CANAL	6.000 (27.276)	15597	MUNICIPALITY
ST CATHARINES (DE CEW) CITY DE CEW WSS 220002066	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	WELLAND SHIP CANAL	42.000 (190.932)	149520	MUNICIPALITY

REGIONAL MUNICIPALITY OF NIAGARA

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
THOROLD (PORT ROBINSON) CITY PORT ROBINSON WTP 220001922	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	WELLAND SHIP CANAL	.154 (.700)	377	MUNICIPALITY
THOROLD (THOROLD) CITY THOROLD SUPPLY 220004313	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(ST.CATH.DE CEW WSS)			MUNICIPALITY
WELLAND CITY WELLAND WSS 220002048	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	WELLAND SHIP CANAL	19.000 (86.374)	49697	MUNICIPALITY
WEST LINCOLN TOWNSHIP SMITHVILLE WELL SUPPLY 220001897	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION		.580 (2.637)	2045	MUNICIPALITY
	TOTAL CAPACITY:		119.322 (542.438)		

REGIONAL MUNICIPALITY OF WATERLOO

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
CAMBRIDGE CITY CAMBRIDGE WELL SUPPLY 220000166	GROUND SOURCE-CHLORINATION		15.800 (71.827)	76151	MUNICIPALITY
KITCHENER (BRIDGEPORT) CITY BRIDGEPORT SUPPLY 220003109	(WATER IS SUPPLIED BY)	(KITCHENER WSS)			MUNICIPALITY
KITCHENER (KITCHENER) CITY KITCHENER WELL SUPPLY 220003092	GROUND SOURCE-CHLORINATION		22.000 (100.012)	144151	MUNICIPALITY
NORTH DUMFRIES (AYR) TOWNSHIP AYR PV WELL SUPPLY 220004199	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.500 (2.273)	1323	MUNICIPALITY
WATERLOO CITY WATERLOO WELL SUPPLY 220000157	GROUND SOURCE-CHEMICAL TRTMT FLUORIDATION		8.500 (38.641)	55353	MUNICIPALITY
WELLESLEY TOWNSHIP WELLESLEY HTS. SUBDIVISION WELL SUPPLY 220004215	GROUND SOURCE-CHLORINATION		.297 (1.350)	116	MUNICIPALITY
WELLESLEY (LINWOOD) TOWNSHIP LINWOOD WELL SUPPLY 220000102	GROUND SOURCE-NO TREATMENT		.031 (.141)	60	MUNICIPALITY
WILMOT (N.HAMB-BADEN) TOWNSHIP NEW HAMBURG-BADEN WELL SUPPLY 220000111	GROUND SOURCE-CHLORINATION		1.800 (8.183)	5041	MUNICIPALITY

REGIONAL MUNICIPALITY OF WATERLOO

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
WILMOT (NEW DUNDEE) TOWNSHIP NEW DUNDEE WELL SUPPLY 220004180	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.172 (.782)	146	MUNICIPALITY
WOOLWICH (ELMIRA) TOWNSHIP ELMIRA WSS 220000148	GROUND SOURCE-CHLORINATION		4.700 (21.366)	7111	MUNICIPALITY
WOOLWICH (MARY HILL) TOWNSHIP MARY HILL SUBDIVISION WELL SUPPLY 220004171	GROUND SOURCE-CHLORINATION		.063 (.286)	150	MUNICIPALITY
WOOLWICH (ST JACOBS) TOWNSHIP ST JACOBS SUPPLY & WELL SUPPLY(STAND BY) 210000014	GROUND SOURCE-PHY+CHEM TRTMT AREA SCHEME SOURCE CHLORINATION	(ELMIRA WSS)	.144 (.655)	1283	MUNICIPALITY
	TOTAL CAPACITY:		54.007 (245.516)		

WEST CENTRAL REGION

AREA WATER SUPPLY SYSTEMS

TOTAL AREA WATER SUPPLY SYSTEMS	TOTAL CAPACITY	
	$1000m^3$	MIGD
TWO	697.8	153.5

SYSTEM: **HALDIMAND/NORFOLK WATER SUPPLY SYSTEM** 210001558

Number of Plants: One
Operated by: Ministry of the Environment

Number of Municipalities Served: Two

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
NANTICOKE CITY	Screening Coagulation Clarification Direct Filtration Chlorination	*3.5 MIGD (15.9 1000m³/d)	Nanticoke City - Jarvis Supply - Stelco Ind. Park - Townsend Haldimand Town - Hagersville	Lake Erie

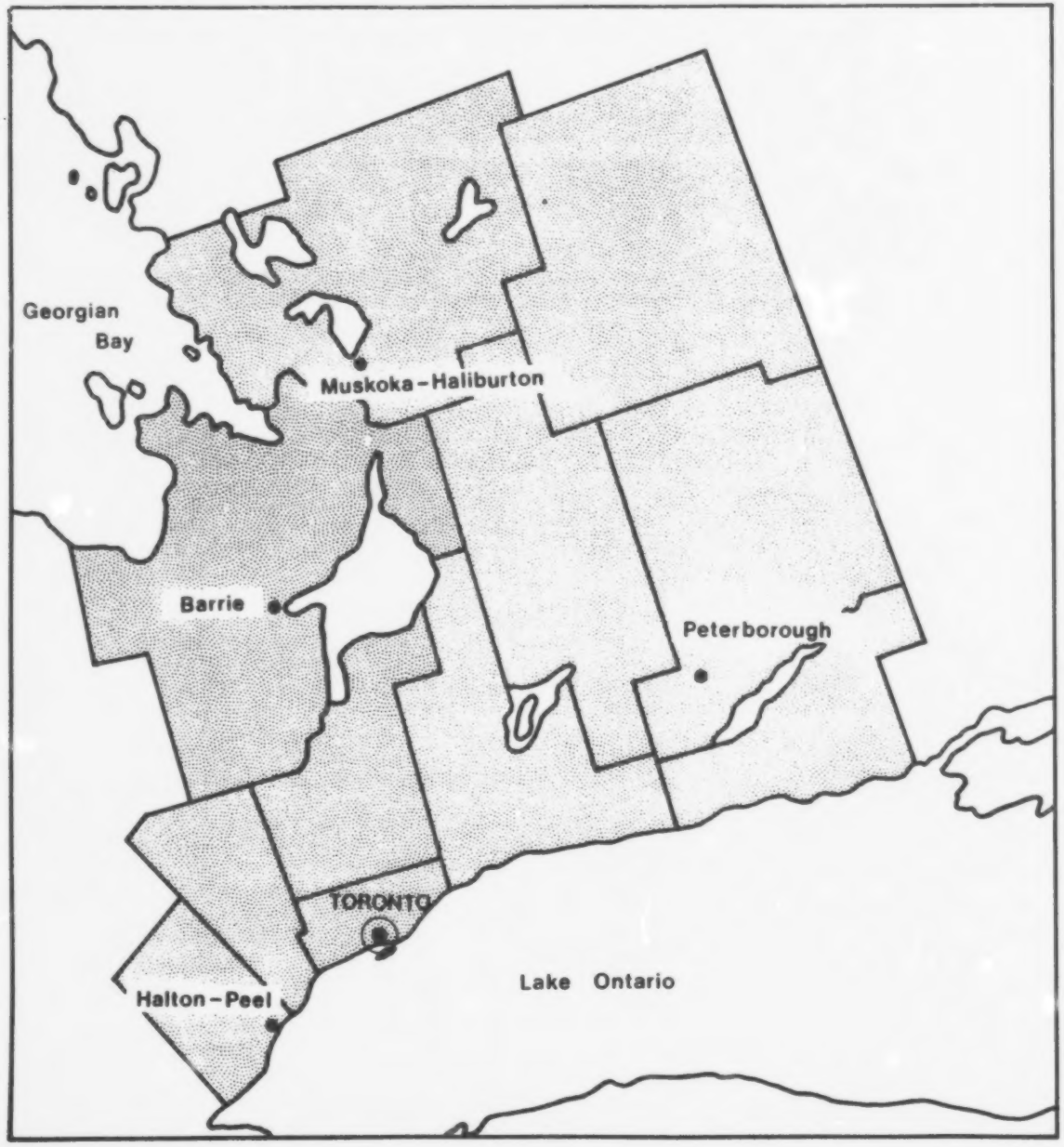
*Note: This capacity relates to the potable water supply only.
Stelco + Texico's industrial capacity amounts to 72.0 MIGD (327.2 1000m³/d).

SYSTEM: **HAMILTON WATER SUPPLY SYSTEM** 210003118

Number of Plants: One
Operated by: Regional Municipality of Hamilton-Wentworth

Number of Municipalities Served: Four

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
HAMILTON CITY (Woodward Ave. Plant)	Screening Coagulation Flocculation Sedimentation Filtration Chlorination Fluoridation	150.0 MIGD (681.9 1000m³/d)	Hamilton City Ancaster Town Dundas Town Stoney Creek Town	Lake Ontario



Central Region

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Ministry of the Environment
Ontario

REGIONAL OFFICE

Toronto
7 Overlea Blvd.
M4E 1A8
416 424-3000

DISTRICT OFFICES

Barrie
12 Fairview Rd.
L4N 4P3
705 726-1730

Halton-Peel
1226 White Oaks Blvd.
Oakville
L6H 2B9
416 844-5747

Metro Toronto East
7 Overlea Blvd.
Toronto
M4E 1A8
416 424-3000

Metro Toronto West
7 Overlea Blvd.
Toronto
M4E 1A8
416 424-3000

Muskoka-Haliburton
Gravenhurst Shopping
Centre
P0C 1G0
705 687-3408

Peterborough
139 George St. N.
K9J 3G6
705 743-2972

York-Durham
7 Overlea Blvd.
Toronto
M4E 1A8
416 424-3000

CENTRAL REGION SUMMARY

TREATMENT TYPE	NUMBER			** CAPACITY MIGD (10^3 M^3)		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
GROUND SOURCE - NO TREATMENT	0	29	29	.000	11.550	11.550 (52.506)
GROUND SOURCE - CHLORINATION ONLY	1	33	34	.108	16.862	16.970 (77.146)
GROUND SOURCE - CHEMICAL TRTMT	2	24	26	2.516	34.079	36.595 (166.361)
GROUND SOURCE - PHYSICAL TRTMT	0	0	0	.000	.000	.000 (.000)
GROUND SOURCE - PHY+CHEM TRTMT	1	6	7	.200	15.192	15.392 (69.972)
SURFACE SOURCE - CHLORINATION ONLY	0	5	5	.000	12.313	12.313 (55.975)
SURFACE SOURCE - CHEMICAL TRTMT	0	0	0	.000	.000	.000 (.000)
SURFACE SOURCE - PHYSICAL TRTMT	0	1	1	.000	.620	.620 (2.819)
SURFACE SOURCE - PHY+CHEM TRTMT	7	25	32	125.002	731.153	856.155 (3,892.081)
**** TOTALS ****	11	123	134	127.826 (581.097)	821.769 (3,735.762)	949.595 (4,316.859)

CHEMICAL TREATMENT : PROCESSES SUCH AS COAGULATION, FLOCCULATION AND FLUORIDATION WHICH USE CHEMICAL AIDS COME UNDER THIS CATAGORY. ALSO INCLUDED ARE THE CHEMICAL REMOVAL PROCESSES LIKE IRON REMOVAL, DENITRIFICATION AND DECHLORINATION.

PHYSICAL TREATMENT : PROCESSES USING MECHANICAL AIDS SUCH AS SCREENING, SEDIMENTATION AND FILTRATION COME UNDER THIS CATAGORY.

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY | CONVERSION FACTOR

10^3 M^3 : THOUSANDS OF CUBIC METRES | 1 MGD = 4.546 10^3 M^3

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3 (1000M))	POPULATION SERVED	OPERATED BY
ADJALA (LORETTO HEIGHTS) TOWNSHIP LORETTO HEIGHTS WELL SUPPLY 220005045	GROUND SOURCE-CHLORINATION		.043 (.195)	90	MUNICIPALITY
ADJALA (ROSEMONT) TOWNSHIP ROSEMONT WELL SUPPLY 220003859	GROUND SOURCE-CHLORINATION		.023 (.105)	170	MUNICIPALITY
AJAX TOWN AJAX SUPPLY (STAND BY) 220002976	(WATER IS SUPPLIED BY) FLUORIDATION	(OSHAWA WSS)			MUNICIPALITY
ALLISTON TOWN ALLISTON WELL SUPPLY 220001174	GROUND SOURCE-NO TRTMT		1.610 (7.319)	5000	MUNICIPALITY
ANGUS TOWNSHIP MCGEORGE WELL SUPPLY IN OP. 1986 220005580	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.576 (2.618)	560	MINISTRY
ANSON HINDON MINDEN ** TOWNSHIP ANSON HINDON & MINDEN WELL SUPPLY 210000194	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.269 (1.223)	1400	MUNICIPALITY
AURORA TOWN AURORA WELL SUPPLY 220002440	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		3.740 (17.002)	15000	MUNICIPALITY
BARRIE CITY BARRIE WELL SUPPLY SYSTEM 220001192	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		14.865 (67.576)	40000	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
BEETON VILLAGE BEETON WELL SUPPLY 220001129	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.532 (2.418)	2200	MUNICIPALITY
BICROFT (CARDIFF) TOWNSHIP CARDIFF TOWNSITE WELL SUPPLY 220001682	GROUND SOURCE-NO TRTMT		.144 (.655)	917	MUNICIPALITY
BOBCAYGEON VILLAGE BOBCAYGEON WTP(SUMMER POPSERVE 2260) 210000318	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	BOBCAYGEON RIVER	1.122 (5.101)	1130	MINISTRY
BRACEBRIDGE TOWN BRACEBRIDGE WTP 220004956	GROUND SOURCE-CHLORINATION SURFACE SOURCE-CHLORINATION ONLY CORROSION CONTROL	LAKE MUSKOKA	1.850 (8.410)	8065	MUNICIPALITY
BRADFORD TOWN BRADFORD WELL SUPPLY 210000684	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		1.850 (8.410)	8140	MUNICIPALITY
BRAMPTON CITY BRAMPTON SUPPLY 210000531	(WATER IS SUPPLIED BY)	(SOUTH PEEL AREA WSS)			MINISTRY
BRIGHTON TOWN BRIGHTON WELL SUPPLY 220000807	GROUND SOURCE-CHLORINATION		1.100 (5.001)	3505	MUNICIPALITY
BROCK (BEAVERTON) TOWNSHIP BEAVERTON WTP 220004923	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE SIMCOE	1.600 (7.274)	2257	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3 (1000M))	POPULATION SERVED	OPERATED BY
BROCK (CANNINGTON) TOWNSHIP CANNINGTON WELL SUPPLY 220000745	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.374 (1.700)	1784	MUNICIPALITY
BROCK (SUNDERLAND) TOWNSHIP SUNDERLAND PV WELL SUPPLY 220004910	GROUND SOURCE-CHLORINATION		.468 (2.128)	748	MUNICIPALITY
BURLINGTON CITY BURLINGTON WSS 220001664	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	31.000 (140.926)	120100	MUNICIPALITY
CALEDON (ALTON) TOWN ALTON WELL SUPPLY 220003831	GROUND SOURCE-CHLORINATION		.276 (1.255)	25	MUNICIPALITY
CALEDON (BOLTON) TOWN BOLTON WELL SUPPLY 220004938	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		1.224 (5.564)	7959	MUNICIPALITY
CALEDON (CALEDON E) TOWN CALEDON EAST WELL SUPPLY 220004947	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		.800 (3.637)	1576	MUNICIPALITY
CALEDON (CALEDON HAMLET) TOWN CALEDON HAMLET WELL SUPPLY 220004000	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.144 (.655)	754	MUNICIPALITY
CALEDON (CENTREVILLE) TOWN CENTREVILLE WELL SUPPLY 220004028	GROUND SOURCE-CHLORINATION		.108 (.491)	112	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
CALEDON (GRANITE STONE) TOWN GRANITE STONE WELL SUPPLY 220003840	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.072 (.327)	43	MUNICIPALITY
CALEDON (INGLEWOOD) TOWN INGLEWOOD WELL SUPPLY 220004037	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.240 (1.091)	187	MUNICIPALITY
CALEDON (MCCLEOD) TOWN MCCLEOD (SUB) WELL SUPPLY 220003822	GROUND SOURCE-CHLORINATION		.023 (.105)	79	MUNICIPALITY
CALEDON (MONO MILLS) TOWN MONO MILLS WELL SUPPLY 220003984	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.079 (.359)	774	MUNICIPALITY
CALEDON (PALGRAVE) TOWN PALGRAVE WELL SUPPLY 220003993	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.850 (3.864)	1231	MUNICIPALITY
CAMPBELLFORD TOWN CAMPBELLFORD WTP 220000834	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	TRENT RIVER	1.250 (5.683)	3544	MUNICIPALITY
COBOURG TOWN COBOURG WTP 220000825	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	8.000 (36.368)	13092	MUNICIPALITY
COLBORNE VILLAGE COLBORNE WELL SUPPLY 220000790	GROUND SOURCE-CHLORINATION		1.000 (4.546)	1914	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
COLDWATER VILLAGE COLDWATER WELL SUPPLY 220001110	GROUND SOURCE-CHLORINATION		.125 (.568)	963	MUNICIPALITY
COLLINGWOOD TOWN COLLINGWOOD WTP 220001165	SURFACE SOURCE-CHLORINATION	GEORGIAN BAY	10.500 (47.733)	11730	MUNICIPALITY
COOKSTOWN VILLAGE COOKSTOWN WELL SUPPLY 210000693	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.216 (.982)	1027	MINISTRY
CREEMORE VILLAGE CREEMORE WELL SUPPLY 220001101	GROUND SOURCE-CHLORINATION		.324 (1.473)	1159	MUNICIPALITY
EAST YORK BOROUGH EAST YORK SUPPLY 220004509	(WATER IS SUPPLIED BY) FLUORIDATION	(METRO TORONTO AREA WSS)			MUNICIPALITY
EAST GWILLIMBURY TOWN HOLLAND LANDING WSS 220004046	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.504 (2.291)	2200	MUNICIPALITY
EAST GWILLIMBURY TOWN MOUNT ALBERT WELL SUPPLY 220006543	GROUND SOURCE-CHLORINATION	LAKE ERIE	.500 (2.273)	1100	MUNICIPALITY
EAST GWILLIMBURY (SHARON TOWN SHARON SUPPLY 220002315	(WATER IS SUPPLIED BY)	(HOLLAND LANDING WSS)			MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
ELMVALE VILLAGE ELMVALE WELL SUPPLY 210000700	GROUND SOURCE-CHLORINATION		.630 (2.864)	1200	MUNICIPALITY
ESSA (ROBSON) TOWNSHIP ROBSON SUBD ANGUS WELL SUPPLY 220005054	GROUND SOURCE-CHLORINATION		.357 (1.623)	426	MUNICIPALITY
ETOBICOKE CITY ETOBICOKE SUPPLY 220004493	(WATER IS SUPPLIED BY) FLUORIDATION	(METRO TORONTO AREA WSS)			MUNICIPALITY
FENELON FALLS VILLAGE FENELON FALLS WTP(SUMMER POPSERVE 3200) 210000327	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	CAMERON LAKE	.825 (3.750)	3200	MINISTRY
GEORGIAN BAY (MAC TIER) TOWNSHIP MAC TIER WTP 220004224	SURFACE SOURCE-CHLORINATION	STEWART LAKE	.363 (1.650)	605	MUNICIPALITY
GEORGINA (KESWICK W.) TOWNSHIP KESWICK WELL SUPPLY 220004251	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION		3.454 (15.702)		MUNICIPALITY
GEORGINA (KESWICK WTP) TOWNSHIP KESWICK WTP 210003280	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE SIMCOE	3.420 (15.547)	4300	MUNICIPALITY
GEORGINA (SUTTON) TOWNSHIP SUTTON WTP 220002324	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE SIMCOE	1.000 (4.546)	4000	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
GRAVENHURST TOWN GRAVENHURST WTP 220002100	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION CORROSION CONTROL	MUSKOKA LAKE	3.300 (15.002)	5104	MUNICIPALITY
HALTON HILLS TOWN ACTON WELL SUPPLY 220001673	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION		2.100 (9.547)	7330	MUNICIPALITY
HALTON HILLS TOWN GEORGETOWN WELL SUPPLY 220001655	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION		6.800 (30.913)	18939	MUNICIPALITY
HASTINGS VILLAGE HASTINGS WTP 210000470	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	TRENT RIVER	.431 (1.959)	975	MUNICIPALITY
HAVELOCK VILLAGE HAVELOCK WELL SUPPLY 210000595	GROUND SOURCE-CHLORINATION		.216 (.982)	1349	MUNICIPALITY
HUNTSVILLE TOWN HUNTSVILLE WTP 220002093	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION CORROSION CONTROL	LAKE VERNON	.950 (4.319)	5985	MUNICIPALITY
HUNTSVILLE (TOWN HIDDEN VALLEY WTP 220003868	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION CORROSION CONTROL	PENINSULA LAKE	.620 (2.819)	857	MUNICIPALITY
INNISFIL TOWNSHIP CHURCHILL EST WELL SUPPLY 220005063	GROUND SOURCE-CHLORINATION		.058 (.264)	105	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
INNISFIL (GOLF HAVEN) TOWNSHIP GOLF HAVEN ESTATES WELL SUPPLY 220005072	GROUND SOURCE-CHLORINATION		.137 (.623)	425	MUNICIPALITY
INNISFIL TOWNSHIP INNISFIL HEIGHTS WELL SUPPLY 220005081	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		.936 (4.255)	250	MUNICIPALITY
INNISFIL (STROUD) TOWNSHIP STROUD WELL SUPPLY 220005090	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.258 (1.173)	440	MUNICIPALITY
INNISFIL (THORNTON) TOWNSHIP THORNTON WELL SUPPLY 220003902	GROUND SOURCE-CHLORINATION		.288 (1.309)	145	MUNICIPALITY
KING (KING CITY) TOWNSHIP KING CITY WELL SUPPLY 220002299	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.800 (3.637)	2700	MUNICIPALITY
KING (NOBLETON) TOWNSHIP NOBLETON WELL SUPPLY 220002306	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.797 (3.623)	950	MUNICIPALITY
KING (SCHOMBERG) TOWNSHIP SCHOMBERG WELL SUPPLY 220004901	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.216 (.982)	950	MUNICIPALITY
LAKEFIELD VILLAGE LAKEFIELD WTP 220000488	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	OTONABEE RIVER	.792 (3.600)	2300	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
LINDSAY TOWN LINDSAY WTP 220000175	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	SCUGOG RIVER	5.000 (22.730)	14094	MUNICIPALITY
MARA (BRECHIN) TOWNSHIP BRECHIN WTP (SUMMER POP.SERV.1522) 210001273	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE SIMCOE	.880 (4.000)	1522	MINISTRY
MARKHAM TOWN MARKHAM SUPPLY 220004162	(WATER IS SUPPLIED BY) FLUORIDATION	(METRO TORONTO AREA WSS			MUNICIPALITY
MEDONTE (HILLSDALE) TOWNSHIP HILLSDALE WELL SUPPLY 220003911	GROUND SOURCE-NO TRTMT		.143 (.650)	490	MUNICIPALITY
MEDONTE (MEDONTE HILLS) TOWNSHIP MEDONTE HILLS(GELLENY SUBD)WELL SUPPLY 220003920	GROUND SOURCE-NO TRTMT		.158 (.718)	234	MUNICIPALITY
MEDONTE (MOONSTONE) TOWNSHIP MOONSTONE WELL SUPPLY 220003939	GROUND SOURCE-NO TRTMT		.043 (.195)	150	MUNICIPALITY
MEDONTE (WARMINSTER) TOWNSHIP WARMINSTER WELL SUPPLY 220005125	GROUND SOURCE-NO TRTMT		.216 (.982)	620	MUNICIPALITY
METRO TORONTO R.L.CLARK) CITY R.L. CLARK WTP (ETOBICOKE) 220002253	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	145.000 (659.170)	660000	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
METRO TORONTO(EASTERLY) CITY EASTERLY WTP (SCARBOROUGH) 220004536	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	100.000 (454.600)	450000	MUNICIPALITY
METRO TORONTO(ISLAND) CITY ISLAND WTP (TORONTO)(OP.FROM APR-NOV.) 220002244	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	90.000 (409.140)	140000	MUNICIPALITY
METRO TORONTO(RC.HARRIS) CITY R.C. HARRIS WTP (TORONTO) 220002262	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	220.000 (.120)	1110000	MUNICIPALITY
MIDLAND TOWN MIDLAND WELL SUPPLY 220001156	GROUND SOURCE-CHLORINATION		3.280 (14.911)	12000	MUNICIPALITY
MILLBROOK VILLAGE MILLBROOK WELL SUPPLY 220000781	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION CORROSION CONTROL		.200 (.909)	784	MINISTRY
MILTON TOWN MILTON WELL SUPPLY 220001646	GROUND SOURCE-NO TRTMT		4.000 (18.184)	23200	MUNICIPALITY
MISSISSAUGA S-PEEL CITY SOUTH PEEL WSS (LAKEVIEW) 210000568	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	75.000 (340.950)	324000	MINISTRY
MISSISSAUGA S-PEEL CITY SOUTH PEEL WSS(LORNE PARK) 210001317	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	46.200 (210.025)	191000	MINISTRY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
MUSKOKA LAKES (BALA) TOWNSHIP BALA WTP 220001888	SURFACE SOURCE-CHLORINATION	LAKE MUSKOKA	.446 (2.028)	1270	MUNICIPALITY
MUSKOKA LAKES TOWNSHIP PORT CARLING WTP 220002119	SURFACE SOURCE-CHLORINATION	INDIAN RIVER	.300 (1.364)	907	MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE WTP 220000861	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	4.000 (18.184)	13203	MUNICIPALITY
NEWCASTLE (BOWMANVILLE) TOWN BOWMANVILLE WELL SUPPLY 220000852	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.350 (1.591)		MUNICIPALITY
NEWCASTLE (ORONO) TOWN ORONO WELL SUPPLY 220004769	GROUND SOURCE-CHLORINATION		.252 (1.146)	1140	MUNICIPALITY
NEWMARKET (GWILLIMBURY) TOWN NEWMARKET/GWILLIMBURY WELL SUPPLY 220002413	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		3.650 (16.593)	28500	MUNICIPALITY
NORTH YORK CITY NORTH YORK SUPPLY 220004457	(WATER IS SUPPLIED BY) FLUORIDATION	(METRO TORONTO AREA WSS)			MUNICIPALITY
NORWOOD VILLAGE NORWOOD WELL SUPPLY 220000479	GROUND SOURCE-NO TRTMT		.288 (1.309)	1500	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
OAKVILLE TOWN OAKVILLE WTP 220001637	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	18.000 (81.828)	80100	MUNICIPALITY
ORILLIA (BASS LAKE) TOWNSHIP BASS LAKE WELL SUPPLY 220005143	GROUND SOURCE-NO TRTMT		.209 (.950)	175	MUNICIPALITY
ORILLIA (MAPLEWOOD E.) TOWNSHIP MAPLEWOOD EST WELL SUPPLY 220004135	GROUND SOURCE-NO TRTMT		.036 (.164)	35	MUNICIPALITY
ORILLIA (ORILLIA) CITY ORILLIA WTP 220001183	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION GROUND SOURCE-CHLORINATION ONLY	LAKE COUCHICHING	6.000 (27.276)	24000	MUNICIPALITY
ORILLIA (SAND CASTLE) TOWNSHIP SAND CASTLE WELL SUPPLY 220004153	GROUND SOURCE-NO TRTMT		.020 (.091)	109	MUNICIPALITY
ORILLIA (SEVERN EST.) TOWNSHIP SEVERN ESTATES WELL SUPPLY 220005152	GROUND SOURCE-NO TRTMT		.022 (.100)	63	MUNICIPALITY
ORILLIA (WASHAGO) TOWNSHIP WASHAGO WTP 220005161	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	SEVERN RIVER	.200 (.909)	500	MUNICIPALITY
ORO (SHANTY BAY) TOWNSHIP SHANTY BAY WELL SUPPLY 220005198	GROUND SOURCE-CHLORINATION		.260 (1.182)	213	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3) (1000M)	POPULATION SERVED	OPERATED BY
OSHAWA CITY OSHAWA WSS 220000772	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	30.000 (136.380)	211644	MUNICIPALITY
PENETANGUISHENE TOWN PENETANGUISHENE WELL SUPPLY 220001147	GROUND SOURCE-NO TRTMT		2.215 (10.069)	5300	MUNICIPALITY
PERCY (WARKWORTH) TOWNSHIP WARKWORTH WTP 210000498	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	MILL CREEK	.100 (.455)	650	MINISTRY
PETERBOROUGH CITY PETERBOROUGH WSS 220000497	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	OTONABEE RIVER	26.500 (120.469)	61500	MUNICIPALITY
PICKERING TOWN PICKERING SUPPLY 220004055	(WATER IS SUPPLIED BY) FLUORIDATION	(OSHAWA WSS)			MUNICIPALITY
PORT HOPE TOWN PORT HOPE WTP 220000816	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	4.420 (20.093)	10337	MUNICIPALITY
PORT MCNICOLL VILLAGE PORT MCNICOLL WTP 220001094	SURFACE SOURCE-CHLORINATION	GEORGIAN BAY	.704 (3.200)	1932	MUNICIPALITY
RICHMOND HILL TOWN RICHMOND HILL (OAK RIDGES) WELL SUPPLY 220004849	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.540 (2.455)	4500	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
RICHMOND HILL TOWN RICHMOND HILL SUPPLY 220004858	(WATER IS SUPPLIED BY) FLUORIDATION	(METRO TORONTO AREA WSS)			MUNICIPALITY
SCARBOROUGH CITY SCARBOROUGH SUPPLY 220003813	(WATER IS SUPPLIED BY) FLUORIDATION	(METRO TORONTO AREA WSS)			MUNICIPALITY
SCUGOG (BLACKSTOCK) TOWNSHIP BLACKSTOCK WELL SUPPLY 220003751	GROUND SOURCE-CHLORINATION		.245 (1.114)	490	MUNICIPALITY
SCUGOG (GREENBANK) TOWNSHIP GREENBANK WELL SUPPLY 220003760	GROUND SOURCE-CHLORINATION		.060 (.273)	120	MUNICIPALITY
SCUGOG (PORT PERRY) TOWNSHIP PORT PERRY WELL SUPPLY 220004830	GROUND SOURCE-CHLORINATION		2.016 (9.165)	4155	MUNICIPALITY
SMITH (WOODLAND ACRES) TOWNSHIP WOODLAND ACRES SUPPLY 210001503	(WATER IS SUPPLIED BY)	(PETERBOROUGH WSS)			MINISTRY
STAYNER TOWN STAYNER WELL SUPPLY 220001138	GROUND SOURCE-CHLORINATION		.864 (3.928)	2600	MUNICIPALITY
SUNNIDALE TOWNSHIP SUNNIDALE GARDENS WELL SUPPLY 220005205	GROUND SOURCE-CHLORINATION		.144 (.655)	84	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3/d (1000M))	POPULATION SERVED	OPERATED BY
TAY (BAY BERRY) TOWNSHIP BAY BERRY EST WELL SUPPLY 220005214	GROUND SOURCE-CHLORINATION		.144 (.655)	140	MUNICIPALITY
TAY (MIDLAND) TOWNSHIP MIDLAND BAY WOODS WTP 220005223	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION		.020 (.091)	255	MUNICIPALITY
TAY (PORTAGE PARK) TOWNSHIP PORTAGE PARK WELL SUPPLY 220005232	GROUND SOURCE-CHLORINATION		.075 (.341)	220	MUNICIPALITY
TAY (SUNNYSIDE) TOWNSHIP SUNNYSIDE SUBD WELL SUPPLY 220001058	GROUND SOURCE-CHLORINATION		.331 (1.505)	752	MUNICIPALITY
TAY (WAUBASHENE) TOWNSHIP WAUBASHENE WTP 220001067	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	GEORGIAN BAY	.270 (1.227)	1350	MUNICIPALITY
TECUMSETH (BOND HEAD) TOWNSHIP BOND HEAD WELL SUPPLY 220005241	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		.118 (.536)	500	MUNICIPALITY
TINY TOWNSHIP PERKINSFIELD WELL SUPPLY IN OP 1985 220005544	GROUND SOURCE-NO TRTMT		.000 (.000)	280	MUNICIPALITY
TINY (ASS.MEADOWS) TOWNSHIP ASSELIN MEADOWS WELL SUPPLY 220005250	GROUND SOURCE-NO TRTMT		.039 (.177)	81	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
TINY (BLUE WATER) TOWNSHIP BLUE WATER-BELVEDERE WELL SUPPLY 220005269	GROUND SOURCE-NO TRTMT		.288 (1.309)	368	MUNICIPALITY
TINY (COOKS LAKE) TOWNSHIP COOKS LAKE WELL SUPPLY 220005278	GROUND SOURCE-NO TRTMT		.108 (.491)	228	MUNICIPALITY
TINY (GEORGIAN BAY) TOWNSHIP GEORGIAN BAY EST WELL SUPPLY 220005287	GROUND SOURCE-NO TRTMT		.209 (.950)	390	MUNICIPALITY
TINY (GEORGIAN HIGHLAND) TOWNSHIP GEORGIAN HIGHLANDS WELL SUPPLY 220005296	GROUND SOURCE-NO TRTMT		.158 (.718)	224	MUNICIPALITY
TINY (GEORGIAN SANDS) TOWNSHIP GEORGIAN SANDS WELL SUPPLY 220005303	GROUND SOURCE-NO TRTMT		.674 (3.064)	1292	MUNICIPALITY
TINY (LE FAIVE) TOWNSHIP LE FAIVE WELL SUPPLY 220005321	GROUND SOURCE-NO TRTMT		.072 (.327)	182	MUNICIPALITY
TINY (PENNORTH) TOWNSHIP PENNORTH EST WELL SUPPLY 220005358	GROUND SOURCE-NO TRTMT		.036 (.164)	95	MUNICIPALITY
TINY (RAYKO) TOWNSHIP RAYKO WELL SUPPLY 220005367	GROUND SOURCE-NO TRTMT		.043 (.195)	84	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3) (1000M)	POPULATION SERVED	OPERATED BY
TINY (SAND CASTLE) TOWNSHIP SAND CASTLE EST WELL SUPPLY 220005376	GROUND SOURCE-NO TRTMT		.130 (.591)	39	MUNICIPALITY
TINY (TEEPEE POINT) TOWNSHIP TEEPEE POINT WELL SUPPLY 220005394	GROUND SOURCE-NO TRTMT		.064 (.291)	294	MUNICIPALITY
TINY (VANIER WOODS) TOWNSHIP VANIER WOODS WELL SUPPLY 220005401	GROUND SOURCE-NO TRTMT		.148 (.673)	32	MUNICIPALITY
TINY (WYEVALE PINES) TOWNSHIP WYEVALE PINES EST WELL SUPPLY 220005410	GROUND SOURCE-NO TRTMT		.160 (.727)	147	MUNICIPALITY
TORONTO CITY TORONTO SUPPLY 220003804	(WATER IS SUPPLIED BY) FLUORIDATION	(METRO TORONTO AREA WSS)			MUNICIPALITY
TOSORONTIO (EVERETT) TOWNSHIP EVERETT WELL SUPPLY 220005429	GROUND SOURCE-CHLORINATION		.115 (.523)	157	MUNICIPALITY
TOSORONTIO (LISLE) TOWNSHIP LISLE WELL SUPPLY 220005438	GROUND SOURCE-CHLORINATION		.144 (.655)	40	MUNICIPALITY
TOTTENHAM VILLAGE TOTTENHAM WELL SUPPLY 220031085	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION		1.728 (7.855)	3000	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
UXBRIDGE TOWNSHIP UXBRIDGE WELL SUPPLY 220000763	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION SEQUESTERING (FE)		.828 (3.764)	3280	MUNICIPALITY
VAUGHAN (KLEINBURG) TOWN KLEINBURG WELL SUPPLY 220002360	GROUND SOURCE-CHLORINATION		.216 (.982)	1300	MUNICIPALITY
VAUGHAN (VAUGHAN) TOWN VAUGHAN SUPPLY 220004439	(WATER IS SUPPLIED BY) FLUORIDATION	(METRO TORONTO AREA WSS)			MUNICIPALITY
VAUGHAN (WOODBRIGE) TOWN WOODBRIGE SUPPLY 220002342	(WATER IS SUPPLIED BY) FLUORIDATION	(METRO TORONTO AREA WSS)			MUNICIPALITY
VESPRA (ANTEN MILLS) TOWNSHIP ANTEN MILLS WELL SUPPLY 220005447	GROUND SOURCE-NO TRTMT		.187 (.850)	133	MUNICIPALITY
VESPRA (MIDHURST) TOWNSHIP MIDHURST WELL SUPPLY 220005474	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION SEQUESTERING (FE)		.995 (4.523)	868	MUNICIPALITY
VESPRA (MINESING) TOWNSHIP MINESING WELL SUPPLY 220005465	GROUND SOURCE-NO TRTMT		.130 (.591)	252	MUNICIPALITY
VICTORIA HARBOUR VILLAGE VICTORIA HARBOUR WTP 220001076	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	GEORGIAN BAY	.875 (3.978)	1094	MINISTRY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
WASAGA BEACH TOWN WASAGA BEACH WELL SUPPLY(SUM.POP.72717) 220002137	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		2.300 (10.456)	3177	MINISTRY
WHITBY (WHITBY SUPPLY) TOWN WHITBY WELL SUPPLY & SUPPLY 220004778	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION SEQUESTERING (FE)	(OSHAWA WSS)	.158 (.718)	1767	MUNICIPALITY
WHITBY (WHITBY WTP) TOWN WHITBY WTP (STANDBY) 220000754	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	30.000 (136.380)		MUNICIPALITY
WHITCHURCH (STOUFFVILLE) TOWN STOUFFVILLE WELL SUPPLY 220002333	GROUND SOURCE-CHLORINATION		1.190 (5.410)	5500	MUNICIPALITY
WOODVILLE VILLAGE WOODVILLE WELL SUPPLY 210001077	GROUND SOURCE-CHLORINATION		.108 (.491)	500	MINISTRY
YORK CITY YORK SUPPLY 220004448	(WATER IS SUPPLIED BY) FLUORIDATION	(METRO TORONTO AREA WSS)			MUNICIPALITY

CENTRAL REGION

WATER TREATMENT

REGIONAL MUNICIPALITIES

REGIONAL MUNICIPALITIES	CAPACITY	
	$1000m^3$	MIGD
DURHAM	319.8	70.4
HALTON	281.4	61.9
METROPOLITAN TORONTO	2523.0	555.0
PEEL	568.3	125.0
YORK	91.1	20.0
DISTRICT MUNICIPALITY OF MUSKOKA	35.6	7.8
TOTAL	3819.2	840.1

REGIONAL MUNICIPALITY OF DURHAM

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (10^3M)	POPULATION SERVED	OPERATED BY
AJAX TOWN AJAX SUPPLY (STAND BY) 220002976	(WATER IS SUPPLIED BY) FLUORIDATION	(OSHAWA WSS)			MUNICIPALITY
BROCK (BEAVERTON) TOWNSHIP BEAVERTON WTP 220004929	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE SIMCOE	1.600 (7.274)	2257	MUNICIPALITY
BROCK (CANNINGTON) TOWNSHIP CANNINGTON WELL SUPPLY 220000745	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.374 (1.700)	1784	MUNICIPALITY
BROCK (SUNDERLAND) TOWNSHIP SUNDERLAND PV WELL SUPPLY 220004910	GROUND SOURCE-CHLORINATION		.468 (2.128)	748	MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE WTP 220000861	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	4.000 (18.184)	13203	MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE WELL SUPPLY 220000852	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.350 (1.591)		MUNICIPALITY
NEWCASTLE (ORONO) TOWN ORONO WELL SUPPLY 220004769	GROUND SOURCE-CHLORINATION		.252 (1.146)	1140	MUNICIPALITY
OSHAWA CITY OSHAWA WSS 220000772	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	30.000 (136.380)	211644	MUNICIPALITY

REGIONAL MUNICIPALITY OF DURHAM

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
PICKERING TOWN PICKERING SUPPLY 220004055	(WATER IS SUPPLIED BY) FLUORIDATION	(OSHAWA WSS)			MUNICIPALITY
SCUGOG (BLACKSTOCK) TOWNSHIP BLACKSTOCK WELL SUPPLY 220003751	GROUND SOURCE-CHLORINATION		.245 (1.114)	490	MUNICIPALITY
SCUGOG (GREENBANK) TOWNSHIP GREENBANK WELL SUPPLY 220003760	GROUND SOURCE-CHLORINATION		.060 (.273)	120	MUNICIPALITY
SCUGOG (PORT PERRY) TOWNSHIP PORT PERRY WELL SUPPLY 220004830	GROUND SOURCE-CHLORINATION		2.016 (9.165)	4155	MUNICIPALITY
UXBRIDGE TOWNSHIP UXBRIDGE WELL SUPPLY 220000763	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION SEQUESTERING (FE)		.828 (3.764)	3280	MUNICIPALITY
WHITBY (WHITBY SUPPLY) TOWN WHITBY WELL SUPPLY & SUPPLY 220004778	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION SEQUESTERING (FE)	(OSHAWA WSS)	.158 (.718)	1767	MUNICIPALITY
WHITBY (WHITBY WTP) TOWN WHITBY WTP (STANDBY) 220000754	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	30.000 (136.380)		MUNICIPALITY
	TOTAL CAPACITY:		70.351 (319.816)		

REGIONAL MUNICIPALITY OF HALTON

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
BURLINGTON CITY BURLINGTON WSS 220001664	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	31.000 (140.926)	120100	MUNICIPALITY
HALTON HILLS (ACTON) TOWN ACTON WELL SUPPLY 220001673	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION		2.100 (9.547)	7330	MUNICIPALITY
HALTON HILLS TOWN GEORGETOWN WELL SUPPLY 220001655	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION		6.800 (30.913)	18939	MUNICIPALITY
MILTON TOWN MILTON WELL SUPPLY 220001646	GROUND SOURCE-NO TREATMENT		4.000 (18.184)	23200	MUNICIPALITY
OAKVILLE TOWN OAKVILLE WTP 220001637	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	18.000 (81.828)	80100	MUNICIPALITY
	TOTAL CAPACITY:		61.900 (281.397)		

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
EAST YORK BOROUGH EAST YORK SUPPLY 220004509	(WATER IS SUPPLIED BY) FLUORIDATION	(METRO TORONTO AREA WSS)			MUNICIPALITY
ETOBICOKE CITY ETOBICOKE SUPPLY 220004493	(WATER IS SUPPLIED BY) FLUORIDATION	(METRO TORONTO AREA WSS)			MUNICIPALITY
METRO TORONTO R.L.CLARK) CITY R.L. CLARK WTP (ETOBICOKE) 220002253	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	145.000 (659.170)	660000	MUNICIPALITY
METRO TORONTO(EASTERLY) CITY EASTERLY WTP (SCARBOROUGH) 220004536	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	100.000 (454.600)	450000	MUNICIPALITY
METRO TORONTO(ISLAND) CITY ISLAND WTP (TORONTO)(OP.FROM APR-NOV.) 220002244	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	90.000 (409.140)	140000	MUNICIPALITY
METRO TORONTO(RC.HARRIS) CITY R.C. HARRIS WTP (TORONTO) 220002262	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	220.000 (1000.120)	1110000	MUNICIPALITY
NORTH YORK CITY NORTH YORK SUPPLY 220004457	(WATER IS SUPPLIED BY) FLUORIDATION	(METRO TORONTO AREA WSS)			MUNICIPALITY
SCARBOROUGH CITY SCARBOROUGH SUPPLY 220003813	(WATER IS SUPPLIED BY) FLUORIDATION	(METRO TORONTO AREA WSS)			MUNICIPALITY

MUNICIPALITY	METROPOLITAN TORONTO SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
TORONTO CITY TORONTO SUPPLY 220003804	(WATER IS SUPPLIED BY) FLUORIDATION	(METRO TORONTO AREA WSS)			MUNICIPALITY
YORK CITY YORK SUPPLY 220004448	(WATER IS SUPPLIED BY) FLUORIDATION	(METRO TORONTO AREA WSS)			MUNICIPALITY
	TOTAL CAPACITY:		555.000 (2523.030)		

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (10^3 m³)	POPULATION SERVED	OPERATED BY
BRAMPTON CITY BRAMPTON SUPPLY 210000531	(WATER IS SUPPLIED BY)	(SOUTH PEEL AREA WSS)			MINISTRY
CALEDON (ALTON) TOWN ALTON WELL SUPPLY 220003831	GROUND SOURCE-CHLORINATION		.276 (1.255)	25	MUNICIPALITY
CALEDON (BOLTON) TOWN BOLTON WELL SUPPLY 220004938	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		1.224 (5.564)	7959	MUNICIPALITY
CALEDON (CALEDON E) TOWN CALEDON EAST WELL SUPPLY 220004947	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		.800 (3.637)	1576	MUNICIPALITY
CALEDON (CALEDON HAMLET) TOWN CALEDON HAMLET WELL SUPPLY 220004000	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.144 (.655)	754	MUNICIPALITY
CALEDON (CENTREVILLE) TOWN CENTREVILLE WELL SUPPLY 220004028	GROUND SOURCE-CHLORINATION		.108 (.491)	112	MUNICIPALITY
CALEDON (GRANITE STONE) TOWN GRANITE STONE WELL SUPPLY 220003840	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.072 (.327)	43	MUNICIPALITY
CALEDON (INGLEWOOD) TOWN INGLEWOOD WELL SUPPLY 220004037	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.240 (1.091)	187	MUNICIPALITY

REGIONAL MUNICIPALITY OF PEEL

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
CALEDON (MCCLEOD) TOWN MCCLEOD (SUB) WELL SUPPLY 220003822	GROUND SOURCE-CHLORINATION		.023 (.105)	79	MUNICIPALITY
CALEDON (MONO MILLS) TOWN MONO MILLS WELL SUPPLY 220003984	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.079 (.359)	774	MUNICIPALITY
CALEDON (PALGRAVE) TOWN PALGRAVE WELL SUPPLY 220003993	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.850 (3.864)	1231	MUNICIPALITY
MISSISSAUGA S-PEEL CITY SOUTH PEEL WSS (LAKEVIEW) 210000568	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	75.000 (340.950)	324000	MINISTRY
MISSISSAUGA S-PEEL CITY SOUTH PEEL WSS(LORNE PARK) 210001317	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	46.200 (210.025)	191000	MINISTRY
	TOTAL CAPACITY:		125.016 (568.323)		

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (m^3) (1000M)	POPULATION SERVED	OPERATED BY
AURORA TOWN AURORA WELL SUPPLY 220002440	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		3.740 (17.002)	15000	MUNICIPALITY
EAST GWILLIMBURY TOWN HOLLAND LANDING WSS 220004046	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.504 (2.291)	2200	MUNICIPALITY
EAST GWILLIMBURY TOWN MOUNT ALBERT WELL SUPPLY 220006543	GROUND SOURCE-CHLORINATION	LAKE ERIE	.500 (2.273)	1100	MUNICIPALITY
EAST GWILLIMBURY TOWN SHARON SUPPLY 220002315	(WATER IS SUPPLIED BY)	(HOLLAND LANDING WSS)			MUNICIPALITY
GEORGINA (KESWICK W.) TOWNSHIP KESWICK WELL SUPPLY 220004251	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION		3.454 (15.702)		MUNICIPALITY
GEORGINA (KESWICK WTP) TOWNSHIP KESWICK WTP 210003280	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE SIMCOE	3.420 (15.547)	4300	MUNICIPALITY
GEORGINA (SUTTON) TOWNSHIP SUTTON WTP 220002324	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE SIMCOE	1.000 (4.546)	4000	MUNICIPALITY
KING (KING CITY) TOWNSHIP KING CITY WELL SUPPLY 220002299	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.800 (3.637)	2700	MUNICIPALITY

REGIONAL MUNICIPALITY OF YORK

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
KING (NOBLETON) TOWNSHIP NOBLETON WELL SUPPLY 220002306	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.797 (3.623)	950	MUNICIPALITY
KING (SCHOMBERG) TOWNSHIP SCHOMBERG WELL SUPPLY 220004901	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.216 (.982)	950	MUNICIPALITY
MARKHAM TOWN MARKHAM SUPPLY 220004162	(WATER IS SUPPLIED BY) FLUORIDATION	(METRO TORONTO AREA WSS			MUNICIPALITY
NEWMARKET (GWILLIMBURY) TOWN NEWMARKET/GWILLIMBURY WELL SUPPLY 220002413	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		3.650 (16.593)	28500	MUNICIPALITY
RICHMOND HILL TOWN RICHMOND HILL (OAK RIDGES) WELL SUPPLY 220004849	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.540 (2.455)	4500	MUNICIPALITY
RICHMOND HILL TOWN RICHMOND HILL SUPPLY 220004858	(WATER IS SUPPLIED BY) FLUORIDATION	(METRO TORONTO AREA WSS)			MUNICIPALITY
VAUGHAN (KLEINBURG) TOWN KLEINBURG WELL SUPPLY 220002360	GROUND SOURCE-CHLORINATION		.216 (.982)	1300	MUNICIPALITY
VAUGHAN (VAUGHAN) TOWN VAUGHAN SUPPLY 220004439	(WATER IS SUPPLIED BY) FLUORIDATION	(METRO TORONTO AREA WSS)			MUNICIPALITY

REGIONAL MUNICIPALITY OF YORK

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
VAUGHAN (WOODBRIGE) TOWN WOODBRIGE SUPPLY 220002342	(WATER IS SUPPLIED BY) FLUORIDATION	(METRO TORONTO AREA WSS)			MUNICIPALITY
WHITCHURCH (STOUFFVILLE) TOWN STOUFFVILLE WELL SUPPLY 220002333	GROUND SOURCE-CHLORINATION		1.190 (5.410)	5500	MUNICIPALITY
	TOTAL CAPACITY:		20.027 (91.043)		

REGIONAL MUNICIPALITY OF MUSKOKA

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (m^3/day (1000M))	POPULATION SERVED	OPERATED BY
BRACEBRIDGE TOWN BRACEBRIDGE WTP 220004956	GROUND SOURCE-CHLORINATION SURFACE SOURCE-CHLORINATION ONLY CORROSION CONTROL	LAKE MUSKOKA	1.850 (8.410)	8065	MUNICIPALITY
GEORGIAN BAY (MAC TIER) TOWNSHIP MAC TIER WTP 220004224	SURFC SOURCE-CHLORINATION	STEWART LAKE	.363 (1.650)	605	MUNICIPALITY
GRAVENHURST TOWN GRAVENHURST WTP 220002100	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION CORROSION CONTROL	MUSKOKA LAKE	3.300 (15.002)	5104	MUNICIPALITY
HUNTSVILLE TOWN HUNTSVILLE WTP 220002093	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION CORROSION CONTROL	LAKE VERNON	.950 (4.319)	5985	MUNICIPALITY
HUNTSVILLE TOWN HIDDEN VALLEY WTP 220003868	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION CORROSION CONTROL	PENINSULA LAKE	.620 (2.819)	857	MUNICIPALITY
MUSKOKA LAKES (BALA) TOWNSHIP BALA WTP 220001888	SURFC SOURCE-CHLORINATION	LAKE MUSKOKA	.446 (2.028)	1270	MUNICIPALITY
MUSKOKA LAKES TOWNSHIP PORT CARLING WTP 220002119	SURFC SOURCE-CHLORINATION	INDIAN RIVER	.300 (1.364)	907	MUNICIPALITY
	TOTAL CAPACITY:		7.829 (35.591)		

CENTRAL REGION

AREA WATER SUPPLY SYSTEMS

TOTAL AREA WATER SUPPLY SYSTEMS	TOTAL CAPACITY	
	1000m³	MIGD
THREE	3210.4	706.2

SYSTEM: **METROPOLITAN TORONTO AREA WATER SUPPLY SYSTEM** 210003208

Number of Plants: Four
Operated by: Metropolitan Toronto Department of Works

Number of Municipalities Served: Nine

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
ETOBICOKE CITY - R. L. CLARK WTP 220002253	Coagulation Sedimentation Filtration Taste & Odour Control Fluoridation Chlorination	145.0 MIGD (659.2 1000m³/d)	North York City East York Borough Etobicoke City Scarborough City Markham Town Vaughan Town	Lake Ontario
SCARBOROUGH CITY - Easterly WTP 220004536	Coagulation Filtration Taste & Odour Control Fluoridation Chlorination	100.0 MIGD (454.6 1000m³/d)	North York City Toronto City East York Borough Etobicoke City Scarborough City York City	Lake Ontario
TORONTO CITY - Island WTP 220002244	Coagulation Sedimentation Filtration Taste & Odour Control Chlorination Fluoridation	90.0 MIGD (409.1 1000m³/d)	North York City Toronto City East York Borough Etobicoke City Scarborough City York Borough	Lake Ontario
TORONTO CITY - R. C. Harris WTP 220000062	Coagulation Sedimentation Filtration Taste & Odour Control Fluoridation Chlorination	220.0 MIGD (1000.1 1000m³/d)	North York City Toronto City East York Borough Scarborough City York City Richmond Hill Town Vaughan Town	Lake Ontario

SYSTEM: **OSHAWA WATER SUPPLY SYSTEM** 210000722

Number of Plants: One
Operated by: Regional Municipality of Durham

Number of Municipalities Served: Four

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
OSHAWA CITY	Coagulation Flocculation Sedimentation Filtration-Rapid Sand Taste + Odour Control Fluoridation Chlorination	30.0 MIGD (136.4 1000m^3/d)	Oshawa City Ajax Town Pickering Town Whitby Town	Lake Ontario

SYSTEM: **SOUTH PEEL AREA WATER SUPPLY SYSTEM** 210003191

Number of Plants: Two
Operated by: Ministry of the Environment

Number of Municipalities Served: Two

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
MISSISSAUGA CITY - Lakeview WTP 210000568	Screening Coagulation Sedimentation Filtration Taste & Odour Control Fluoridation Chlorination	75.0 MIGD (341.0 1000m³/d)	Brampton City Mississauga City	Lake Ontario
MISSISSAUGA CITY - Lorne Park WTP 210001317	Screening Coagulation Direct Filtration Taste + Odour Control Fluoridation Chlorination	46.2 MIGD (210.0 1000m³/d)	Brampton City Mississauga City	Lake Ontario

Southeastern Region

④

Ministry of the Environment

Ontario

Southeastern Region

Ministry of the Environment
Ontario

REGIONAL OFFICE

Kingston
133 Dalton Street
K7L 4X6
613 549-4000

DISTRICT OFFICES

Cornwall
4 Montreal Rd.
K6H 1B1
613 933-7402

Kingston
133 Dalton St.
K7L 4X6
613 549-4000

Ottawa
2378 Holly Lane
K1V 7P1
613 521-3450

SUB-OFFICE

Belleville
15 Victoria Ave.
K8N 1Z5
613 962-9208

Pembroke
1000 MacKay St.
K8B 1A3
613 732-3643

SOUTHEASTERN REGION SUMMARY

TREATMENT TYPE	<-- NUMBER -->			<-- ** CAPACITY MIGD ($1000M^3$) -->		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
GROUND SOURCE - NO TREATMENT	0	1	1	.000	1.180	1.180 (5.364)
GROUND SOURCE - CHLORINATION ONLY	9	21	30	2.848	7.662	10.510 (47.778)
GROUND SOURCE - CHEMICAL TRTMT	1	1	2	.201	.698	.899 (4.087)
GROUND SOURCE - PHYSICAL TRTMT	0	0	0	.000	.000	.000 (.000)
GROUND SOURCE - PHY+CHEM TRTMT	1	1	2	.171	.086	.257 (1.168)
SURFACE SOURCE - CHLORINATION ONLY	0	11	11	.000	17.456	17.456 (79.355)
SURFACE SOURCE - CHEMICAL TRTMT	0	2	2	.000	7.450	7.450 (33.868)
SURFACE SOURCE - PHYSICAL TRTMT	0	3	3	.000	.567	.567 (2.578)
SURFACE SOURCE - PHY+CHEM TRTMT	10	20	30	17.935	218.812	236.747 (1,076.252)
**** TOTALS ****	21	60	81	21.155 (96.171)	253.911 (1,154.279)	275.066 (1,250.450)

CHEMICAL TREATMENT : PROCESSES SUCH AS COAGULATION, FLOCCULATION AND FLUORIDATION WHICH USE CHEMICAL AIDS COME UNDER THIS CATAGORY. ALSO INCLUDED ARE THE CHEMICAL REMOVAL PROCESSES LIKE IRON REMOVAL, DENITRIFICATION AND DECHLORINATION.

PHYSICAL TREATMENT : PROCESSES USING MECHANICAL AIDS SUCH AS SCREENING, SEDIMENTATION AND FILTRATION COME UNDER THIS CATAGORY.

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY
$1000M^3$:THOUSANDS OF CUBIC METRES

CONVERSION FACTOR
1 MGD = 4.546 $1000M^3$

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3/d (1000M))	POPULATION SERVED	OPERATED BY
ALEXANDRIA TOWN ALEXANDRIA WTP 220001030	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	ALEXANDER LAKE	1.140 (5.182)	3550	MUNICIPALITY
ALFRED VILLAGE ALFRED WELL SUPPLY 210000802	GROUND SOURCE-CHLORINATION		.240 (1.091)	1055	MINISTRY
ALFRED VILLAGE ALFRED WELL SUPPLY 220004175	GROUND SOURCE-CHLORINATION		.100 (.455)	1150	MUNICIPALITY
ALFRED (LEFAIVRE) TOWNSHIP LEFAIVRE HAMLET WTP 220002841	SURFACE SOURCE-CHLORINATION	OTTAWA RIVER	.086 (.391)	350	MUNICIPALITY
ALMONTE TOWN ALMONTE WELL SUPPLY 220001290	GROUND SOURCE-NO TRTMT		1.180 (5.364)	3800	MUNICIPALITY
AMELIASBURG (FENWOOD) TOWNSHIP FENWOOD GARDENS WTP 220004322	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	SAWGUIN CREEK	.072 (.327)	220	MUNICIPALITY
ARNPRIOR TOWN ARNPRIOR WTP 220000932	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	MADAWASKA RIVER	3.400 (15.456)	5800	MUNICIPALITY
BANCROFT VILLAGE BANCROFT WTP 220004796	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	CLARKE LAKE	.620 (2.819)	1800	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3/d) (1000M)	POPULATION SERVED	OPERATED BY
BARRY'S BAY VILLAGE BARRY'S BAY WTP 210000942	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	KAMANISKEG LAKE	.550 (2.500)	1413	MINISTRY
BATH VILLAGE BATH WTP 220002217	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	.840 (3.819)	1500	MUNICIPALITY
BEACHBURG (BEACHVILLE) VILLAGE BEACHVILLE WELL SUPPLY (STANDBY) 220003449	GROUND SOURCE-CHLORINATION		.090 (.409)	640	MUNICIPALITY
BELLEVILLE CITY BELLEVILLE WTP 220001628	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	BAY OF QUINTE	12.000 (54.552)	35482	MUNICIPALITY
BROCKVILLE CITY BROCKVILLE WTP 220001263	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	ST LAWRENCE RIVER	9.000 (40.914)	20169	MUNICIPALITY
CAMBRIDGE TOWNSHIP FOREST PARK EAST WELL SUPPLY 220004073	GROUND SOURCE-CHLORINATION		.237 (1.077)	400	MUNICIPALITY
CARDINAL (CANADA STARCH) VILLAGE CANADA STARCH WTP 220003582	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION	ST. LAWRENCE RIVER	.300 (1.364)	1695	MUNICIPALITY
CARLETON PLACE TOWN CARLETON PLACE WTP 210000372	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	MISSISSIPPI RIVER	2.640 (12.001)	6300	MINISTRY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3/d (1000M))	POPULATION SERVED	OPERATED BY
CARLETON PLACE TOWN CARLETON PLACE WTP 220001281	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	MISSISSIPPI RIVER	5.000 (22.730)	5600	MUNICIPALITY
CASSELMAN VILLAGE CASSELMAN WTP 210001219	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	S. NATION RIVER	.700 (3.182)	1498	MINISTRY
CHALK RIVER VILLAGE CHALK RIVER WTP 210000666	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	CORRY LAKE	.430 (1.955)	986	MINISTRY
CHESTERVILLE VILLAGE CHESTERVILLE WELL SUPPLY 210000728	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		.201 (.914)	1430	MINISTRY
CLARENCE (BOURGET) TOWNSHIP BOURGET P.V. WELL SUPPLY 220003458	GROUND SOURCE-CHLORINATION		.172 (.782)	1140	MUNICIPALITY
CLARENCE (CHENEY) TOWNSHIP CHENEY WELL SUPPLY 220002887	GROUND SOURCE-CHLORINATION		.036 (.164)	470	MUNICIPALITY
CLARENCE (CLARENCE) TOWNSHIP CLARENCE CR. WELL SUPPLY 220002869	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.086 (.391)	560	MUNICIPALITY
CLARENCE (HAMMOND) TOWNSHIP HAMMOND WELL SUPPLY 220002850	GROUND SOURCE-CHLORINATION		.184 (.836)	360	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3 (1000M))	POPULATION SERVED	OPERATED BY
CLARENCE (ST PASCHAL) TOWNSHIP ST PASCHAL BAYLON WTP 220002878	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION	SPRING FED POUND	.048 (.218)	245	MUNICIPALITY
COBDEN VILLAGE COBDEN WTP 220001218	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	MUSKRAT LAKE	.300 (1.364)	1035	MUNICIPALITY
CORNWALL (CORNWALL) CITY CORNWALL WTP 220001049	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ST LAWRENCE	22.000 (100.012)	46045	MUNICIPALITY
CORNWALL (LONG SAULT) TOWNSHIP LONG SAULT HAMLET WTP 220000996	SURFACE SOURCE-CHLORINATION	LAKE ST LAWRENCE	.500 (2.273)	1300	MUNICIPALITY
CUMBERLAND (CUMBERLAND) TOWNSHIP CUMBERLAND SUPPLY 220004206	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY
CUMBERLAND (QUEENWOOD) TOWNSHIP QUEENWOOD WELL SUPPLY (PHASED OUT 1985) 220000727	GROUND SOURCE-CHLORINATION		.466 (2.118)	7400	MUNICIPALITY
DEEP RIVER TOWN DEEP RIVER WTP 220000923	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	OTTAWA RIVER	3.100 (14.093)	4230	MUNICIPALITY
DELORO VILLAGE DELORO WELL SUPPLY 220001584	GROUND SOURCE-CHLORINATION		.030 (.136)	192	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3/d (1000M))	POPULATION SERVED	OPERATED BY
DESERONTO TOWN DESERONTO WTP 220001593	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	BAY OF QUINTE	.650 (2.955)	1761	MINISTRY
EGANVILLE VILLAGE EGANVILLE WTP 210000675	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	BONNECHERE RIVER	.180 (.818)	1218	MINISTRY
ERNESTOWN (AMHERSTVIEW) TOWNSHIP AMHERSTVIEW WTP 220001879	SURFACE SOURCE-CHLORINATION	LAKE ONTARIO	2.400 (10.910)	6772	MUNICIPALITY
ERNESTOWN (BROOKLAND) TOWNSHIP BROOKLAND PARK SUBD. WELL SUPPLY 220004260	GROUND SOURCE-CHLORINATION		.216 (.982)	90	MUNICIPALITY
ERNESTOWN (HAREWOOD) TOWNSHIP HAREWOOD SUBD WTP 220004279	SURFACE SOURCE-CHLORINATION	LAKE ONTARIO	.216 (.982)	100	MUNICIPALITY
ERNESTOWN (ODESSA) TOWNSHIP ODESSA WTP 210001040	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	MILLHAVEN CREEK	.450 (2.046)	973	MINISTRY
FINCH VILLAGE FINCH WELL SUPPLY 210003912	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.171 (.777)	400	MINISTRY
FRANKFORD VILLAGE FRANKFORD WELL SUPPLY 210000210	GROUND SOURCE-CHLORINATION		.280 (1.273)	1892	MINISTRY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD m^3 (1000M)	POPULATION SERVED	OPERATED BY
GANANOQUE SEPARATED TOWN GANANOQUE WTP 220001254	SURFACE SOURCE-CHLORINATION	ST. LAWRENCE RIVER	2.160 (9.819)	4900	MUNICIPALITY
GLOUCESTER CITY GLOUCESTER TWP. SUPPLY 220004518	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY
GLOUCESTER (ORLEANS) CITY ORLEANS PV SUPPLY 220002486	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY
GOULBOURN TOWNSHIP GOULBOURN SUPPLY 220004527	(WATER IS SUPPLIED BY) FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY
HAWKESBURY TOWN HAWKESBURY WTP 220002832	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	OTTAWA RIVER	4.000 (18.184)	9866	MUNICIPALITY
IROQUOIS VILLAGE IROQUOIS WTP 220001021	SURFACE SOURCE-CHLORINATION	ST LAWRENCE RIVER	1.600 (7.274)	1212	MUNICIPALITY
KANATA (GLENCAIRN) CITY GLENCAIRN SUPPLY 220000718	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY
KANATA (KANATA) CITY KANATA SUPPLY 220003190	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
KEMPTVILLE TOWN KEMPTVILLE WELL SUPPLY 220001236	GROUND SOURCE-CHLORINATION		1.020 (4.637)	2400	MUNICIPALITY
KINGSTON (KINGSTON) CITY KINGSTON WTP 220001860	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	24.000 (109.104)	78400	MUNICIPALITY
KINGSTON TOWNSHIP POINT PLEASANT WTP (9.0 MGD 1985 APR) 220001851	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	9.000 (40.914)	19700	MINISTRY
L'ORIGNAL VILLAGE L'ORIGNAL WELL SUPPLY 210001086	GROUND SOURCE-CHLORINATION		.195 (.886)	1561	MINISTRY
LANCASTER VILLAGE LANCASTER WELL SUPPLY 210001059	GROUND SOURCE-CHLORINATION		.290 (1.318)	600	MINISTRY
LEEDS & LANSDOWNE,FRONT TOWNSHIP LANSDOWNE WELL SUPPLY 210001022	GROUND SOURCE-CHLORINATION		.320 (1.455)	550	MINISTRY
MADOC VILLAGE MADOC WELL SUPPLY 220001575	GROUND SOURCE-CHLORINATION		.330 (1.500)	1322	MUNICIPALITY
MARMORA VILLAGE MARMORA WTP 220004803	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION	CROWE RIVER	.219 (.996)	1266	MUNICIPALITY

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3/d (1000M))	POPULATION SERVED	OPERATED BY
MERRICKVILLE VILLAGE MERRICKVILLE WELL SUPPLY 220001227	GROUND SOURCE-CHLORINATION		.710 (3.228)	935	MINISTRY
MORRISBURG VILLAGE MORRISBURG WTP 220001012	SURFACE SOURCE-CHLORINATION	ST LAWRENCE RIVER	2.300 (10.456)	2286	MUNICIPALITY
NAPANEE TOWN NAPANEE WTP 220002226	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO AS OF 1984	2.800 (12.729)	7500	MUNICIPALITY
NEPEAN (BARRHAVEN) CITY BARRHAVEN SUPPLY 220003181	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY
NEPEAN (LAKEVIEW) CITY LAKEVIEW SUPPLY 220003163	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY
NEPEAN (LYNWOOD) CITY LYNWOOD VILLAGE SUPPLY 220003172	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY
NORTH PLANTAGENET TOWNSHIP WENDOVER P.V. WTP 220002896	SURFACE SOURCE-CHLORINATION	OTTAWA RIVER	.072 (.327)	900	MUNICIPALITY
OSNABRUCK (INGLESIDE) TOWNSHIP INGLESIDE HAMLET WTP 220001003	SURFACE SOURCE-CHLORINATION	ST LAWRENCE RIVER	1.800 (8.183)	1500	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3/d) (1000M)	POPULATION SERVED	OPERATED BY
OTTAWA (BRITANNIA) CITY OTTAWA WSS(BRITANNIA) 220003154	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	OTTAWA RIVER	54.400 (247.302)	296971	MUNICIPALITY
OTTAWA (LEMIEUX) CITY OTTAWA WSS (LEMIEUX IS-) 220003207	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	OTTAWA RIVER	65.700 (298.672)	224032	MUNICIPALITY
PEMBROKE CITY PEMBROKE WTP 220000941	SURFACE SOURCE-CHLORINATION	OTTAWA RIVER	6.200 (28.185)	16000	MUNICIPALITY
PERTH TOWN PERTH WTP 220001272	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	TAY RIVER	2.000 (9.092)	5702	MUNICIPALITY
PICTON TOWN PICTON WTP 220000987	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO-PICTON BAY	2.400 (10.910)	6000	MUNICIPALITY
PITTSBURG TOWNSHIP PITTSBURG SUPPLY 210001228	(WATER IS SUPPLIED BY)	(KINGSTON CITY WSS)			MINISTRY
PLANTAGENET VILLAGE PLANTAGENET WTP 210001736	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	SOUTH NATION RIVER	.375 (1.705)	876	MINISTRY
PRESCOTT SEPARATED TOWN PRESCOTT WTP 220001245	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	ST LAWRENCE RIVER	2.450 (11.138)	4595	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
RENFREW TOWN RENFREW WTP 210001102	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	BONNECHERE RIVER	4.000 (18.184)	8591	MINISTRY
RIDEAU TOWNSHIP HILLSIDE GARDENS WELL SUPPLY 220002495	GROUND SOURCE-CHLORINATION		.149 (.677)	808	MUNICIPALITY
ROCKCLIFFE PARK VILLAGE ROCKCLIFFE PARK SUPPLY 220003216	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY
ROCKLAND TOWN ROCKLAND WTP 210000639	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	OTTAWA RIVER	1.600 (7.274)	5000	MINISTRY
RUSSELL TOWNSHIP EMBRUN WELL SUPPLY 220004297	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.698 (3.173)	2000	MUNICIPALITY
SIDNEY (MONTROSE) TOWNSHIP MONTROSE WELL SUPPLY 220004331	GROUND SOURCE-CHLORINATION		.300 (1.364)	1230	MUNICIPALITY
SIDNEY (QUINTE HEIGHTS) TOWNSHIP QUINTE HEIGHTS WELL SUPPLY 220004340	GROUND SOURCE-CHLORINATION		.045 (.205)	214	MUNICIPALITY
SMITH FALLS SEPARATED TOWN SMITH FALLS WTP 220001307	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	RIDEAU RIVER	6.000 (27.276)	10684	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
SOUTH FREDERICKSBURGH TOWNSHIP SANDHURST SHORES WTP 220003877	SURFACE SOURCE-CHLORINATION	LAKE ONTARIO	.122 (.555)	210	MUNICIPALITY
ST.ISIDORE DE PRESCOTT VILLAGE ST ISIDORE WELL SUPPLY 220003573	GROUND SOURCE-CHLORINATION		.017 (.077)	455	MUNICIPALITY
STIRLING VILLAGE STIRLING WELL SUPPLY 220001566	GROUND SOURCE-CHLORINATION		.576 (2.618)	1587	MUNICIPALITY
THURLOW (POINT ANNE) TOWNSHIP POINT ANNE HAMLET WTP 220004359	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	BAY OF QUINTE	.040 (.182)	60	MUNICIPALITY
TRENTON (CHESTER) CITY CHESTER RD WTP 220001619	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	TRENT RIVER	5.000 (22.730)	17788	MUNICIPALITY
TRENTON (SIDNEY ST) CITY SIDNEY STREET WELL SUPPLY 220004288	GROUND SOURCE-CHLORINATION		.250 (1.137)	2745	MUNICIPALITY
TRENTON (TRENTON) CITY TRENTON SPRING SUPPLY 220001600	GROUND SOURCE-CHLORINATION		2.500 (11.365)	17788	MUNICIPALITY
TWEED VILLAGE TWEED WELL SUPPLY 220001557	GROUND SOURCE-CHLORINATION		.440 (2.000)	1634	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD ^{3} (1000M)	POPULATION SERVED	OPERATED BY
VANIER CITY VANIER SUPPLY 220003225	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY
VANKLEEK HILL TOWN VANKLEEK HILL WELL SUPPLY 210000620	GROUND SOURCE-CHLORINATION		.274 (1.246)	1711	MINISTRY
WELLINGTON VILLAGE WELLINGTON WELL SUPPLY 210000648	GROUND SOURCE-CHLORINATION		.454 (2.064)	1077	MUNICIPALITY
WEST CARLETON (HUNTLEY) TOWNSHIP HUNTLEY-JULIA WELL SUPPLY 220003430	GROUND SOURCE-CHLORINATION		.050 (.227)	240	MUNICIPALITY
WESTPORT VILLAGE WESTPORT WELL SUPPLY 210001004	GROUND SOURCE-CHLORINATION		.187 (.850)	633	MINISTRY
WINCHESTER VILLAGE WINCHESTER WELL SUPPLY 210000586	GROUND SOURCE-CHLORINATION		.352 (1.600)	2002	MINISTRY
PITTSBURG TOWNSHIP JAMES ST.PS.=RAW PITT=TREAT.DND =AVG DAY 220001806	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(KINGSTON CITY WSS)			MINISTRY

SOUTHEASTERN REGION

WATER TREATMENT

REGIONAL MUNICIPALITIES

REGIONAL MUNICIPALITIES	CAPACITY	
	1000m^3	MIGD
OTTAWA - CARLETON	551.0	121.2

REGIONAL MUNICIPALITY OF OTTAWA-CARLETON

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (m^3/d) (1000M)	POPULATION SERVED	OPERATED BY
CUMBERLAND (CUMBERLAND) TOWNSHIP CUMBERLAND SUPPLY 220004206	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY
CUMBERLAND (QUEENWOOD) TOWNSHIP QUEENWOOD WELL SUPPLY (PHASED OUT 1985) 220000727	GROUND SOURCE-CHLORINATION		.466 (2.118)	7400	MUNICIPALITY
GLOUCESTER CITY GLOUCESTER TWP. SUPPLY 220004518	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY
GLOUCESTER (ORLEANS) CITY ORLEANS PV SUPPLY 220002486	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY
GOULBOURN TOWNSHIP GOULBOURN SUPPLY 220004527	(WATER IS SUPPLIED BY) FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY
KANATA (GLENCAIRN) CITY GLENCAIRN SUPPLY 220000718	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY
KANATA (KANATA) CITY KANATA SUPPLY 220003190	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY

REGIONAL MUNICIPALITY OF OTTAWA-CARLETON

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (m^3 (1000M))	POPULATION SERVED	OPERATED BY
NEPEAN (BARRHAVEN) CITY BARRHAVEN SUPPLY 220003181	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY
NEPEAN (LAKEVIEW) CITY LAKEVIEW SUPPLY 220003163	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY
NEPEAN (LYNWOOD) CITY LYNWOOD VILLAGE SUPPLY 220003172	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY
OTTAWA (BRITANNIA) CITY OTTAWA WSS(BRITANNIA) 220003154	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	OTTAWA RIVER	54.400 (247.302)	296971	MUNICIPALITY
OTTAWA (LEMIEUX) CITY OTTAWA WSS (LEMIEUX IS-) 220003207	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	OTTAWA RIVER	65.700 (298.672)	224032	MUNICIPALITY
RIDEAU TOWNSHIP HILLSIDE GARDENS WELL SUPPLY 220002495	GROUND SOURCE-CHLORINATION		.149 (.677)	808	MUNICIPALITY
ROCKCLIFFE PARK VILLAGE ROCKCLIFFE PARK SUPPLY 220003216	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY
VANIER CITY VANIER SUPPLY 220003225	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			MUNICIPALITY

REGIONAL MUNICIPALITY OF OTTAWA-CARLETON

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (m^3/d (1000M))	POPULATION SERVED	OPERATED BY
WEST CARLETON (HUNTLEY) TOWNSHIP HUNTLEY-JULIA WELL SUPPLY 220003430	GROUND SOURCE-CHLORINATION		.050 (.227)	240	MUNICIPALITY
	TOTAL CAPACITY:		120.765 (548.998)		

SOUTHEASTERN REGION

AREA WATER SUPPLY SYSTEMS

TOTAL AREA WATER SUPPLY SYSTEMS	TOTAL CAPACITY 1000m³	MIGD
ONE	546.0	120.1

SYSTEM: **OTTAWA AREA WATER SUPPLY SYSTEM** 210003217

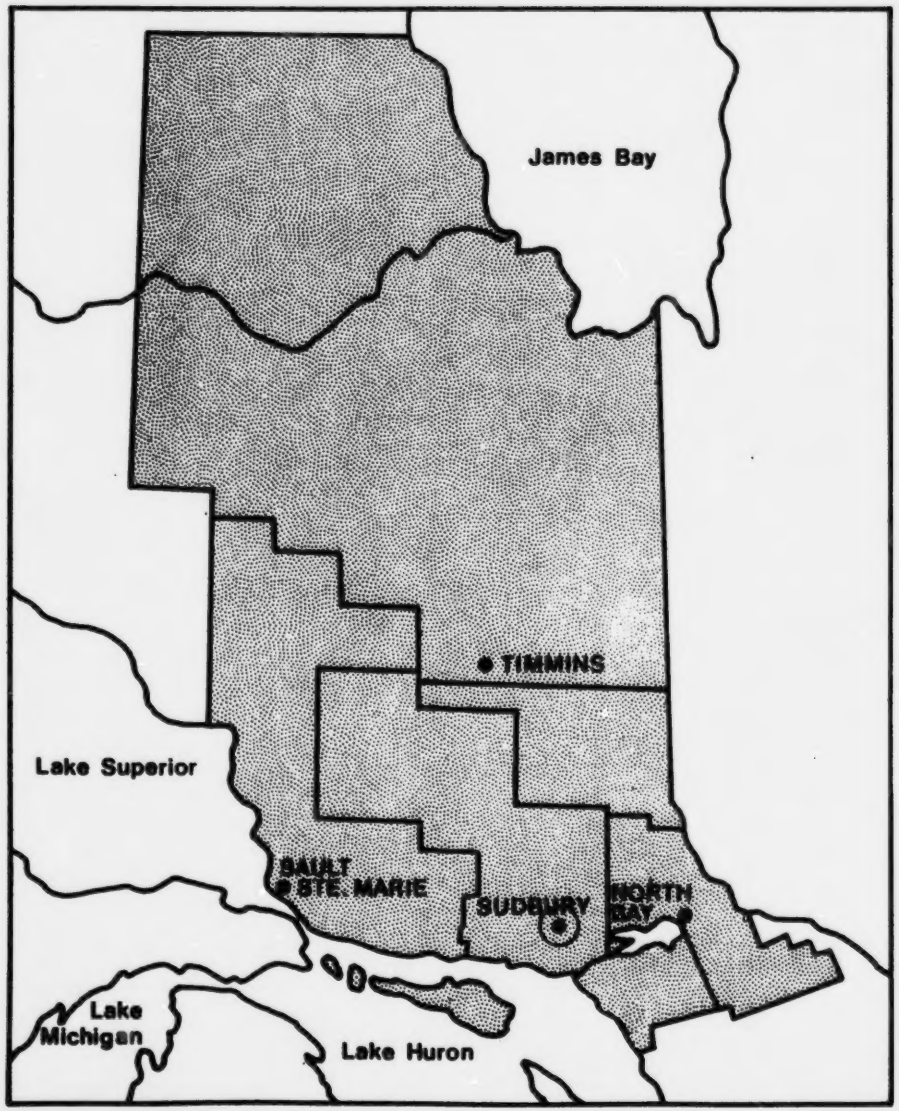
Number of Plants: Two
Operated by: Regional Municipality of Ottawa Carleton
Number of Municipalities Served: Eight

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
OTTAWA CITY - Britannia WTP 220003154	Screening Coagulation Sedimentation Filtration Taste & Odour Control Ph Adjustment Fluoridation Chlorination	54.4 MIGD (247.3 1000m³/d)	Gloucester City Kanata City Nepean City Ottawa City Vanier City Rockcliffe Park Village Cumberland Twp. Goulbourn Twp.	Ottawa River
OTTAWA CITY - Lemieux Island WTP 220003207	Screening Coagulation Sedimentation Filtration Taste & Odour Control Ph Adjustment Fluoridation Chlorination	65.7 MIGD (298.7 1000m³/d)	Gloucester City Kanata City Nepean City Ottawa City Rockcliffe Park Village Cumberland Twp. Goulbourn Twp.	Ottawa River

Northeastern Region

Ministry of the Environment

Ontario



REGIONAL OFFICE

Sudbury
199 Larch St.
P3E 5P9
705 675-4501

DISTRICT OFFICES

North Bay
1500 Fisher St.
P1B 2H3
705 476-1001

Sault Ste. Marie
445 Albert St. E.
P6A 2J9
705 949-4640

Sudbury
199 Larch St.
P3E 5P9
705 675-4501

Timmins
83 Algonquin Blvd. W.
P4N 2R4
705 264-9474

SUB-OFFICE

Parry Sound
74 Church St.
P2A 1Z1
705 746-2139

NORTHEASTERN REGION SUMMARY

TREATMENT TYPE	<--- NUMBER --->			<--- ** CAPACITY MIGD ($1000M^3$) --->		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
GROUND SOURCE - NO TREATMENT	2	6	8	.252	5.066	5.318 (24.176)
GROUND SOURCE - CHLORINATION ONLY	1	7	8	2.440	3.022	5.462 (24.830)
GROUND SOURCE - CHEMICAL TRTMT	2	7	9	.770	27.432	28.202 (128.206)
GROUND SOURCE - PHYSICAL TRTMT	1	1	2	.115	1.758	1.873 (8.515)
GROUND SOURCE - PHY+CHEM TRTMT	1	3	4	.065	3.040	3.105 (14.115)
SURFACE SOURCE - CHLORINATION ONLY	5	12	17	1.493	9.068	10.561 (48.010)
SURFACE SOURCE - CHEMICAL TRTMT	2	6	8	1.785	55.643	57.428 (261.068)
SURFACE SOURCE - PHYSICAL TRTMT	0	1	1	.000	1.872	1.872 (8.510)
SURFACE SOURCE - PHY+CHEM TRTMT	8	5	13	5.914	28.167	34.081 (154.932)
**** TOTALS ****	22	48	70	12.834 (58.343)	135.068 (614.019)	147.902 (672.362)

CHEMICAL TREATMENT : PROCESSES SUCH AS COAGULATION, FLOCCULATION AND FLUORIDATION WHICH USE CHEMICAL AIDS COME UNDER THIS CATAGORY. ALSO INCLUDED ARE THE CHEMICAL REMOVAL PROCESSES LIKE IRON REMOVAL, DENITRIFICATION AND DECHLORINATION.

PHYSICAL TREATMENT : PROCESSES USING MECHANICAL AIDS SUCH AS SCREENING, SEDIMENTATION AND FILTRATION COME UNDER THIS CATAGORY.

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY
$1000M^3$:THOUSANDS OF CUBIC METRES

CONVERSION FACTOR
1 MGD = 4.546 $1000M^3$

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
ARMSTRONG (EARLTON) TOWNSHIP EARLTON WELL SUPPLY 220003662	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.070 (.318)	950	MUNICIPALITY
ASSIGINACK(MANITOWANING) TOWNSHIP MANITOWANING WTP 210001013	SURFACE SOURCE-CHLORINATION	MANITOWANING BAY	.085 (.386)	435	MINISTRY
BILLINGS (KAGAWONG) TOWNSHIP KAGAWONG WTP 220002182	SURFACE SOURCE-CHLORINATION	KAGAWONG LAKE	.015 (.068)	400	MUNICIPALITY
BLACK R MATHESON TOWNSHIP HOLTYRE WELL SUPPLY 220002565	GROUND SOURCE-CHLORINATION		.120 (.546)	319	MUNICIPALITY
BLACK R MATHESON(MATH) TOWNSHIP MATHESON MUN WTP 220002574	SURFACE SOURCE-CHLORINATION	WHITEFISH LAKE	.280 (1.273)	920	MINISTRY
BLACK R MATHESON(RAMORE) TOWNSHIP RAMORE WELL SUPPLY NO 1 220002538	GROUND SOURCE-NO TRTMT		.108 (.491)	320	MINISTRY
BLACK R MATHESON(VAL G.S TOWNSHIP VAL GAGNE SOUTH WELL SUPPLY IN OP.1986 210000513	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION SEQUESTERING (FE)		.008 (.036)	94	MINISTRY
BLACK R.M.(VAL GAGNE) TOWNSHIP VAL GAGNE WELL SUPPLY 210001674	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.065 (.295)	300	MINISTRY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3/d) (1000M)	POPULATION SERVED	OPERATED BY
BLIND RIVER TOWN BLIND RIVER WELL SUPPLY 210000041	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION		.950 (4.319)	3025	MUNICIPALITY
BRUCE MINES TOWN BRUCE MINES WTP 210000933	SURFACE SOURCE-CHLORINATION	L.HURON ST.JOSEPH'S CHNL	.108 (.491)	571	MINISTRY
BURK'S FALLS VILLAGE BURKS FALLS WELL SUPPLY 220000567	GROUND SOURCE-NO TRTMT		.245 (1.114)	1000	MUNICIPALITY
CACHE BAY TOWN CACHE BAY WTP 210000452	SURFACE SOURCE-CHLORINATION	TANNER LAKE	.220 (1.000)	679	MINISTRY
CALDWELL (VERNER) TOWNSHIP VERNER PV WTP 210000951	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	VEUVE RIVER	.233 (1.059)	1116	MINISTRY
CAPREOL TOWN CAPREOL WELL SUPPLY 220003528	GROUND SOURCE-PHYSICAL TRTMT		1.758 (7.992)	2949	MUNICIPALITY
CHAPLEAU TOWNSHIP CHAPLEAU WTP 220003494	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION		1.200 (5.455)	2450	MINISTRY
COBALT TOWN COBALT WTP 220000362	SURFACE SOURCE-CHLORINATION	LAKE SASAGINAGA	3.200 (14.547)	1786	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
COCHRANE TOWN COCHRANE WELL SUPPLY 220003047	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		1.350 (6.137)	5000	MUNICIPALITY
DUBREUILVILLE IMPROVEMENT DISTRICT DUBREUILVILLE WELL SUPPLY 220004714	GROUND SOURCE-NO TRTMT		.432 (1.964)	978	MUNICIPALITY
DYMOND TOWNSHIP DYMOND WELL SUPPLY 220000335	GROUND SOURCE-CHLORINATION		1.008 (4.582)	450	MUNICIPALITY
EILBER DEVITT (MATTICE) TOWNSHIP MATTICE WTP 210001763	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION	MISSINAIBI RIVER	.285 (1.296)	750	MINISTRY
ELLIOT LAKE TOWN ELLIOT LAKE WTP 220002789	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	ELLIOT LAKE	6.740 (30.640)	19000	MUNICIPALITY
ENGLEHART TOWN ENGLEHART WELL SUPPLY 220000353	GROUND SOURCE-NO TRTMT		.720 (3.273)	1723	MUNICIPALITY
ESPANOLA TOWN ESPANOLA WTP 210000746	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	APSEY LAKE	1.500 (6.819)	5200	MINISTRY
FAUQUIER-STRICKLAND TOWNSHIP FAUQUIER WTP 210000979	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	GROUNDHOG RIVER	.083 (.377)	500	MINISTRY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
FOLEYET UNORGANIZED MUNICIPALITY FOLEYET WTP 220002547	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION	IVANHOE RIVER	.144 (.655)	400	MUNICIPALITY
GORE BAY TOWN GORE BAY WTP 220002208	SURFACE SOURCE-CHLORINATION	LAKE HURON	.294 (1.337)	778	MUNICIPALITY
HAILEYBURY TOWN LAKE TEMISKAMING WTP 210000309	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE TIMISKAMING	1.500 (6.819)	4941	MINISTRY
HEARST TOWN HEARST WTP 220002592	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	MATTAWISHKWIA RIVER	2.460 (11.183)	5270	MINISTRY
HORNEPAYNE TOWNSHIP HORNEPAYNE WELL SUPPLY 210004966	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION		.650 (2.955)	1675	MINISTRY
IROQUOIS FALLS TOWN IROQUOIS WTP 220002556	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	ABITIBI RIVER	.900 (4.091)	5000	MUNICIPALITY
IROQUOIS FALLS TOWN PORQUIS JUNCTION WELL SUPPLY IN OP.1986 220005535	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.462 (2.100)	100	MUNICIPALITY
KAPUSKASING TOWN KAPUSKASING WELL SUPPLY 220002583	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		2.160 (9.819)	9000	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
KIRKLAND LAKE (CHAPUT) TOWN KIRKLAND LAKE AND CHAPUT HUGHES WTP 220000308	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	GULL LAKE	12.400 (56.370)	13360	MUNICIPALITY
KIRKLAND LAKE (SWASTIKA) TOWN SWASTIKA WTP 220000291	SURFACE SOURCE-CHLORINATION	BLANCHE RIVER	.360 (1.637)	650	MUNICIPALITY
LARDER LAKE TOWNSHIP LARDER LAKE WELL SUPPLY 220000326	GROUND SOURCE-NO TRTMT		.576 (2.618)	1200	MUNICIPALITY
LATCHFORD TOWN LATCHFORD WTP 210000960	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	MONTREAL R	.144 (.655)	427	MINISTRY
LITTLE CURRENT TOWN LITTLE CURRENT WTP 220002191	SURFACE SOURCE-CHLORINATION	LAKE HURON	.597 (2.714)	1517	MUNICIPALITY
MASSEY TOWN MASSEY WTP 220003500	SURFACE SOURCE-CHLORINATION	AUX SABLE RIVER	.836 (3.800)	1311	MUNICIPALITY
MATACHEWAN IMPROVEMENT DISTRICT MATACHEWAN WELL SUPPLY 220003653	GROUND SOURCE-CHLORINATION		.040 (.182)	400	MUNICIPALITY
MATTAWA TOWN MATTAWA WELL SUPPLY 220000451	GROUND SOURCE-NO TRTMT		1.080 (4.910)	2683	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEN	CAPACITY MIGD (m^3/d) (1000M)	POPULATION SERVED	OPERATED BY
MCDOUGALL (CIL) TOWNSHIP CIL WSS (PHASED OUT 1986) 220003671	SURFACE SOURCE-CHLORINATION	GEORGIAN BAY	3.300 (15.002)	354	MUNICIPALITY
MCDOUGALL (NOBEL) TOWNSHIP NOBEL SUPPLY 220000549	(WATER IS SUPPLIED BY)	(C.I.L. WSS)			MUNICIPALITY
MCGARRY (VIRGTOWN-KEARNS TOWNSHIP VIRGINIATOWN-KEARNS WTP 220000317	SURFACE SOURCE-CHLORINATION	LARDER LAKE	.864 (3.928)	1623	MUNICIPALITY
MICHIPICOTEN (WAWA) TOWNSHIP WAWA WELL SUPPLY 210000050	GROUND SOURCE-CHLORINATION	WAWA LAKE	2.440 (11.092)	3800	MINISTRY
MOONBEAM TOWNSHIP MOONBEAM WELL SUPPLY 210000087	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION OXIDATION + FILTRATION (FE)		.120 (.546)	1000	MINISTRY
MOOSONEE NORTH DEVELOPMENT AREA BOARD MOOSONEE NORTH WTP 210001193	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	BUTLER CREEK	.144 (.655)	200	MINISTRY
MOOSONEE OLD TOWNSITE DEVELOPMENT AREA BOARD MOOSONEE WTP (OLD TOWNSITE) 210000096	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	STORE CREEK	.150 (.682)	1300	MINISTRY
NEW LISKEARD TOWN NEW LISKEARD WELL SUPPLY 220000344	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		1.620 (7.365)	5700	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEN	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
NICKEL CENTRE (GARSON) TOWN GARSON WELL SUPPLY 220003485	GROUND SOURCE-NO TRTMT		2.013 (9.151)	4107	MUNICIPALITY
NORTH BAY CITY NORTH BAY WTP 220000460	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	TROUT LAKE	30.000 (136.380)	50639	MUNICIPALITY
NORTH HIMSWORTH TOWNSHIP CALLANDER WELL SUPPLY 210000988	GROUND SOURCE-PHYSICAL TRTMT CHLORINATION		.115 (.523)	1220	MINISTRY
NORTH SHORE (EVELYN) TOWNSHIP EVELYN STREET WELL SUPPLY 210003422	GROUND SOURCE-CHLORINATION SEQUESTERING (FE)		.140 (.636)		MUNICIPALITY
NORTH SHORE (SERPENT R) TOWNSHIP SERPENT RIVER WTP 220004242	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION	SERPENT RIVER	.100 (.455)	210	MUNICIPALITY
ONAPING FALLS (DOWLING) TOWN DOWLING WELL SUPPLY 210001665	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION		.790 (3.591)	2090	MUNICIPALITY
ONAPING FALLS (LEVACK) TOWN LEVACK WELL SUPPLY (RE-CHARGE FROM RIVER 220003467	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION	ONAPING RIVER	2.160 (9.819)	2008	MUNICIPALITY
ONAPING FALLS (ONAPING) TOWN ONAPING WELL SUPPLY (FALCONBRIDGE) 220003519	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		1.150 (5.228)	964	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEN	CAPACITY MIGD (m^3/d) (1000M)	POPULATION SERVED	OPERATED BY
PARRY SOUND TOWN PARRY SOUND WTP 220000585	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	GEORGIAN BAY	2.000 (9.092)	6078	MUNICIPALITY
PENTLAND (KIOSK) UNORGANIZED MUNICIPALITY KIOSK HAMLET WTP 220004466	SURFACE SOURCE-CHLORINATION	AMABLE DU FOND CREEK	.576 (2.618)	100	MUNICIPALITY
POITRAS (THORNE) TOWNSHIP THORNE HAMLET WTP 220004144	SURFACE SOURCE-CHLORINATION	MC DOUGALL CREEK	.576 (2.618)	350	MUNICIPALITY
POWASSAN TOWN POWASSAN WTP 220000576	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	GENESEE CREEK	.288 (1.309)	1120	MUNICIPALITY
RATTER & DUNNET (WARREN) TOWNSHIP WARREN HAMLET WELL SUPPLY 210000755	GROUND SOURCE-NO TRTMT		.144 (.655)	612	MINISTRY
RAYSIDE-BALFOUR TOWN RAYSIDE BALFOUR SUPPLY 210001638	(WATER IS SUPPLIED BY)	(BLEZARD VALLEY WSS)			MUNICIPALITY
SAULT STE MARIE CITY SAULT STE MARIE WTP & WELL SUPPLY 220002823	GROUND SOURCE-CHEMICAL TRTMT SURFACE SOURCE - CHEMICAL TRTMT CHLORINATION	ST. MARY'S RIVER	16.000 (72.736)	81000	MUNICIPALITY
SOUTH RIVER VILLAGE SOUTH RIVER WELL SUPPLY 220000558	GROUND SOURCE-CHLORINATION		.240 (1.091)	1135	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
STURGEON FALLS TOWN STURGEON FALLS WTP 220000442	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION	STURGEON RIVER	1.872 (8.510)	6208	MUNICIPALITY
SUDBURY (DAVID ST) CITY DAVID ST.WTP 220003537	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	RAMSEY LAKE	10.999 (50.001)	85493	MUNICIPALITY
SUDBURY (WANAPITEI) CITY WANAPITEI WSS 210001111	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	WANAPITEI RIVER	8.139 (37.000)	85493	MUNICIPALITY
TEMAGAMI (NEW TOWNSITE) TOWNSHIP NEW TOWNSITE WTP 220000433	SURFACE SOURCE-CHLORINATION	NET LAKE	.245 (1.114)	350	MUNICIPALITY
TEMAGAMI (OLD TOWNSITE) TOWNSHIP OLD TOWNSITE WTP 220000424	SURFACE SOURCE-CHLORINATION	LAKE TEMAGAMI	.209 (.950)	122	MUNICIPALITY
THESSALON TOWN THESSALON WTP 220002814	SURFACE SOURCE-CHLORINATION	LAKE HURON	1.296 (5.892)	1700	MUNICIPALITY
TIMMINS CITY TIMMINS WTP 220003065	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	MATTAGAMI RIVER	12.100 (55.007)	33000	MUNICIPALITY
TIMMINS (TISDALE) CITY TISDALE WELL SUPPLY 220002529	GROUND SOURCE-CHLORINATION		1.200 (5.455)	7200	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
TIMMINS (WHITNEY) CITY WHITNEY WELL SUPPLY (STAND BY ONLY) 220002510	GROUND SOURCE-CHLORINATION		.274 (1.246)		MUNICIPALITY
VALLEY EAST TOWN BLEZARD VALLEY WSS 210000737	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		4.222 (19.193)	29442	MUNICIPALITY
WHITE RIVER TOWNSHIP WHITE RIVER WELL SUPPLY IN OP 1986 210000407	GROUND SOURCE-CHLORINATION			1000	MINISTRY
WHITE RIVER TOWNSHIP WHITE RIVER WTP 220002770	SURFACE SOURCE-CHLORINATION	LITTLE TUKANEE LAKE	.800 (3.637)	1100	MINISTRY

NORTHEASTERN REGION

WATER TREATMENT

REGIONAL MUNICIPALITIES

REGIONAL MUNICIPALITIES	CAPACITY	
	1000m³	MIGD
SUDBURY	142.0	31.2

REGIONAL MUNICIPALITY OF SUDBURY

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (m^3/d) (1000M)	POPULATION SERVED	OPERATED BY
CAPREOL TOWN CAPREOL WELL SUPPLY 220003528	GROUND SOURCE-PHYSICAL TRTMT		1.758 (7.992)	2949	MUNICIPALITY
NICKEL CENTRE (GARSON) TOWN GARSON WELL SUPPLY 220003485	GROUND SOURCE-NO TREATMENT		2.013 (9.151)	4107	MUNICIPALITY
ONAPING FALLS (DOWLING) TOWN DOWLING WELL SUPPLY 210001685	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION		.790 (3.591)	2090	MUNICIPALITY
ONAPING FALLS (LEVACK) TOWN LEVACK WELL SUPPLY (RE-CHARGE FROM RIVER 220003467	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION	ONAPING RIVER	2.160 (9.819)	2008	MUNICIPALITY
ONAPING FALLS (ONAPING) TOWN ONAPING WELL SUPPLY (FALCONBRIDGE) 220003519	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		1.150 (5.228)	964	MUNICIPALITY
RAYSIDE-BALFOUR TOWN RAYSIDE BALFOUR SUPPLY 210001638	(WATER IS SUPPLIED BY)	(BLEZARD VALLEY WSS)			MUNICIPALITY
SUDBURY (DAVID ST) CITY DAVID ST.WTP 220003537	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	RAMSEY LAKE	10.999 (50.001)	85493	MUNICIPALITY
SUDBURY (WANAPITEI) CITY WANAPITEI WSS 210001111	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	WANAPITEI RIVER	8.139 (37.000)	85493	MUNICIPALITY

REGIONAL MUNICIPALITY OF SUDBURY

MUNICIPALITY	SOURCE & TREATMENT	WATERCOURSE/AREA SCHEME SOURCE	CAPACITY MIGD (m^3/d)	POPULATION SERVED	OPERATED BY
VALLEY EAST TOWN BLEZARD VALLEY WSS 210000737	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		4.222 (19.193)	29442	MUNICIPALITY
	TOTAL CAPACITY:		31.231 (141.976)		

NORTHEASTERN REGION

AREA WATER SUPPLY SYSTEMS

TOTAL AREA WATER SUPPLY SYSTEMS	TOTAL CAPACITY	
	$1000m^3$	MIGD
TWO	56,2	12,3

SYSTEM: **VALLEY EAST - WATER SUPPLY SYSTEM** 210000737

Number of Plants: One (Nine wells)
Operated by: The Regional Municipality of Sudbury

Number of Municipalities Served: Two

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
VALLEY EAST TOWN	Screening Chlorination	4.2 MIGD (19.2 1000m³/d)	Rayside-Balfour Town Valley East Town	Ground

SYSTEM: **WANAPITAE WATER SUPPLY SYSTEM** (210001111)

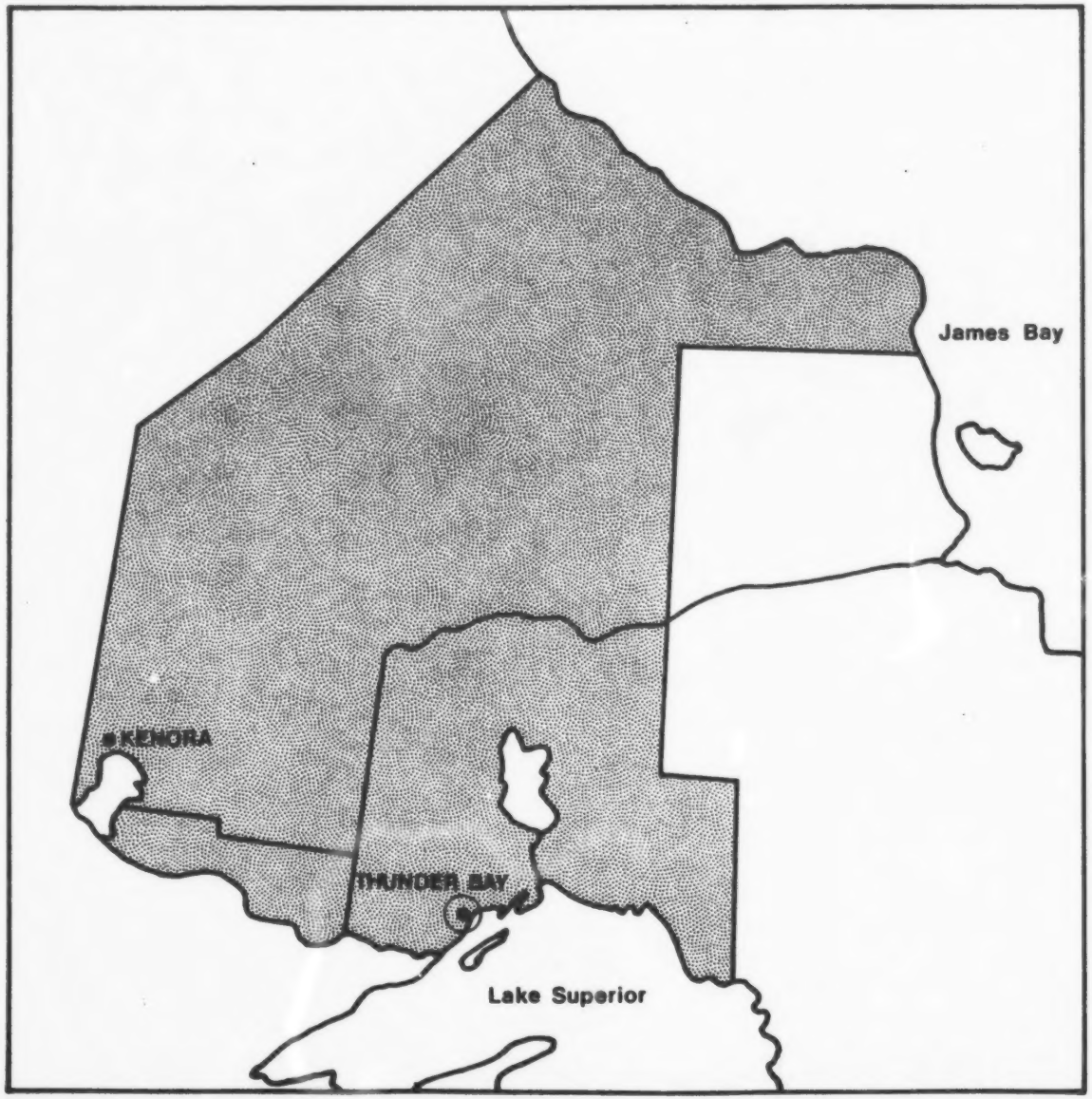
Number of Plants: One
Operated by: The Regional Municipality of Sudbury

Number of Municipalities Served: Three

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
WANAPITAE	Coagulation Flocculation Sedimentation Filtration Rapid Sand pH Adjustment Chlorination Fluoridation	8.1 MIGD (37.0 1000m³/d)	Sudbury City Coniston Community Wahnapitae Community	Wanapitei River

Northwestern Region ⑥

Ministry of the Environment
Ontario



REGIONAL OFFICE

Thunder Bay
435 James St. S.
P.O. Box 5000
P7C 5G8
807 475-1205

DISTRICT OFFICES

Kenora
808 Robertson St.
P9N 1X9
807 468-5578

Thunder Bay
435 James St. S.
P.O. Box 5000
P7C 5G8
807 475-1315

NORTHWESTERN REGION SUMMARY

TREATMENT TYPE	NUMBER			** CAPACITY MIGD ($1000M^3$)		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
GROUND SOURCE - NO TREATMENT	0	1	1	.000	1.332	1.332 (6.055)
GROUND SOURCE - CHLORINATION ONLY	1	0	1	.720	.000	.720 (3.273)
GROUND SOURCE - CHEMICAL TRTMT	2	0	2	1.440	.000	1.440 (6.546)
GROUND SOURCE - PHYSICAL TRTMT	0	1	1	.000	2.304	2.304 (10.474)
GROUND SOURCE - PHY+CHEM TRTMT	0	0	0	.000	.000	.000 (.000)
SURFACE SOURCE - CHLORINATION ONLY	2	3	5	1.100	1.960	3.060 (13.911)
SURFACE SOURCE - CHEMICAL TRTMT	0	4	4	.000	19.898	19.898 (90.456)
SURFACE SOURCE - PHYSICAL TRTMT	0	1	1	.000	.828	.828 (3.764)
SURFACE SOURCE - PHY+CHEM TRTMT	7	5	12	6.761	25.214	31.975 (145.358)
**** TOTALS ****	12	15	27	10.021 (45.555)	51.536 (234.283)	61.557 (279.838)

CHEMICAL TREATMENT : PROCESSES SUCH AS COAGULATION, FLOCCULATION AND FLUORIDATION WHICH USE CHEMICAL AIDS COME UNDER THIS CATAGORY. ALSO INCLUDED ARE THE CHEMICAL REMOVAL PROCESSES LIKE IRON REMOVAL, DENITRIFICATION AND DECHLORINATION.

PHYSICAL TREATMENT : PROCESSES USING MECHANICAL AIDS SUCH AS SCREENING, SEDIMENTATION AND FILTRATION COME UNDER THIS CATAGORY.

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY
$1000M^3$:THOUSANDS OF CUBIC METRES

CONVERSION FACTOR
1 MGD = 4.546 $1000M^3$

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEN	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
ATIKOKAN TOWNSHIP ATIKOKAN WTP 220000950	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	ATIKOKAN RIVER	3.100 (14.093)	4744	MUNICIPALITY
BAIRD (MADSEN) TOWNSHIP MADSEN WTP 210001479	SURFACE SOURCE-CHLORINATION	RUSSET LAKE	.140 (.636)	300	MINISTRY
BEARDMORE TOWNSHIP BEARDMORE WTP 210001264	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	BLACK WATER RIVER	.300 (1.364)	625	MINISTRY
CARAMAT UNORGANIZED MUNICIPALITY CARAMAT WTP 220000184	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	CARAMAT LAKE	.144 (.655)	125	MUNICIPALITY
DRYDEN TOWN DRYDEN WTP 220001432	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	WABIGOON LAKE	3.000 (13.638)	6900	MUNICIPALITY
EAR FALLS TOWNSHIP EAR FALLS WTP 210000256	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	ENGLISH RIVER	1.000 (4.546)	1750	MINISTRY
EMO TWP TOWNSHIP EMO WTP 210000657	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	RAINY RIVER	.198 (.900)	730	MINISTRY
FORT FRANCES TOWN FORT FRANCES WTP 220000978	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	RAINY LAKE	3.718 (16.902)	8880	MUNICIPALITY

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
GERALDTON TOWN GERALDTON WTP 210000292	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	REESOR LAKE	1.320 (6.001)	3300	MINISTRY
IGNACE TOWNSHIP IGNACE WELL SUPPLY 220001398	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL	AGIMAC LAKE	.720 (3.273)	2285	MINISTRY
KENORA TOWN KENORA WTP 220001423	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE OF THE WOODS	5.850 (26.594)	12000	MUNICIPALITY
LONGLAC TOWN LONGLAC MUN. WTP 220000264	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LONG LAKE	1.332 (6.055)	2900	MINISTRY
MACHIN (VERMILLION BAY) TOWNSHIP VERMILLION BAY WTP 210000997	SURFACE SOURCE-CHLORINATION	EAGLE LAKE	.300 (1.364)	1100	MUNICIPALITY
MANITOUWADGE TOWNSHIP MANITOUWADGE WELL SUPPLY 220000219	GROUND SOURCE-PHYSICAL TRTMT		2.304 (10.474)	3084	MUNICIPALITY
MARATHON TOWNSHIP MARATHON WELL SUPPLY 220000255	GROUND SOURCE-NO TRTMT		1.332 (6.055)	2400	MUNICIPALITY
NAKINA TOWNSHIP NAKINA WELL SUPPLY 220000200	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		.720 (3.273)	670	MINISTRY

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3/d (1000M))	POPULATION SERVED	OPERATED BY
NIPIGON TOWNSHIP NIPIGON WTP 220000246	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION	NIPIGON RIVER	.828 (3.764)	2180	MUNICIPALITY
PICKLE LAKE TOWNSHIP PICKLE LAKE WELL SUPPLY 210001157	GROUND SOURCE-CHLORINATION		.720 (3.273)	425	MINISTRY
RAINY RIVER TOWN RAINY RIVER MUN WTP 220000969	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	RAINY RIVER	.537 (2.441)	975	MINISTRY
RED LAKE TOWNSHIP RED LAKE WTP 210000265	SURFACE SOURCE-CHLORINATION	RED LAKE-SKOOKUM BAY	.960 (4.364)	1945	MINISTRY
RED ROCK TOWNSHIP RED ROCK WTP 220000193	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	NIPIGON BAY-L.SUPERIOR	.720 (3.273)	1209	MUNICIPALITY
ROSSPORT UNORGANIZED MUNICIPALITY ROSSPORT WTP 210003351	SURFACE SOURCE-CHLORINATION	LAKE SUPERIOR	.120 (.546)	150	MUNICIPALITY
SCHREIBER TOWNSHIP SCHREIBER WTP 210003342	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	COOKS LAKE	2.074 (9.428)	2000	MINISTRY
SCHREIBER TOWNSHIP SCHREIBER WTP (PHAED OUT 1985) 220000237	SURFACE SOURCE-CHLORINATION	COOK'S LAKE	1.540 (7.001)	1937	MUNICIPALITY

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3/d (1000M))	POPULATION SERVED	OPERATED BY
SIOUX LOOKOUT TOWN SIOUX LOOKOUT WTP 220001405	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	PELICAN LAKE	1.080 (4.910)	3006	MUNICIPALITY
THUNDER BAY (BARE POINT) CITY BARE POINT WTP 220000273	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	THUNDER BAY-L.SUPERIOR	15.500 (70.463)	58504	MUNICIPALITY
THUNDER BAY (LOCH LOMOND CITY LOCH LOMOND WTP 220000282	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION	LOCH LOMOND LAKE	12.000 (54.552)	52416	MUNICIPALITY

APPENDIX 1
WATER SUPPLY FACILITIES WHICH USE BOTH GROUND AND SURFACE SOURCES

The following table indicates all the water supply facilities which obtain their water from both a ground and a surface source. The first treatment type listed per plant, was used when tabulation of treatment types occurred for the totals on the regional and provincial summary pages.

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD	POPULATION SERVED	OPERATED BY
SOUTHWESTERN REGION					
Hanover Town Hanover WTP & Well Supply 210000167	Surface Source-Chlorination Ground Source - Chemical Trtmt. Chlorination	Ruhl Lake	2.590 (11.774)	6415	Municipality
Petrolia Town Petrolia WSS 220002903	Surface Source-Chlorination Ground Source-No Treatment Fluoridation	Lake Huron	1.680 (7.637)	4719	Municipality
Thedford Village Thedford Well Supply & Supply 210000425	Ground Source-Chlorination Area Scheme Source	Standby Lake Huron WSS	.063 (.286)	661	Ministry
WEST CENTRAL REGION					
Pelham (Fonthill) Town Fonthill Well Supply & Supply 220001931	Ground Source-Phy+Chem Trtmt. Chlorination Area Scheme Source	(Welland WSS)	1.000 (4.546)	2814	Municipality
Woolwich (St. Jacobs) Township St. Jacobs Supply & Well Supply (Stand by) 210000014	Ground Source-Phy+Chem Trtmt. Area Scheme Source Chlorination	(Elmira WSS)	.144 (.655)	1283	Municipality
CENTRAL REGION					
Bracebridge Town Bracebridge WTP 220004956	Ground Source-Chlorination Surface Source-Chlorination only Corrosion Control	Lake Muskoka	1.850 (8.410)	8065	Municipality
Orillia (Orillia) City Orillia WTP 220001183	Surface Source-Phy+Chem Trtmt. Chlorination Ground Source-Chlorination only	Lake Couchiching	6.000 (27.276)	24000	Municipality
NORTHEASTERN REGION					
Sault Ste. Marie City Sault Ste. Marie WTP & Well Supply 220002823	Ground Source-Chemical Trtmt. Surface Source - Chemical Trtmt. Chlorination	St. Mary's	16.000 (72.736)	81000	Municipality